

# Angel Cervera Claudio

Developer since 1998  
Passionate about computers since 1984

**Contractor**

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## POSITIONS

<b>Solution Architect</b> (Hands-on)	●●●●●
Data Architect(Hands-on)	●●●●○
Technical Lead	●●●●◐
Software Engineer	●●●●●
BigData Developer	●●●●○
GIS Developer	●●●○○
Data Engineer	●●●●○

## RESUMED SKILLS

<b>Scala</b>	●●●●◐	Linux	●●●●○
<b>Java</b>	●●●●◐	Docker	●●●○○
Go	●●●○○	Akka	●●●●◐
<b>Cloud</b>	●●●●◐	Hadoop	●●●●◐
Spark	●●●●◐	Dist.Sys	●●●○○
Agile	●●●●○		

*Full list after Open Source projects section*

## LANGUAGES

Spanish ●●●●●  
*First language*

English ●●●●◐  
*Living and working in Ireland since 2014*

## ABOUT ME

I'm passionate about new technologies since the first contact with my ZX Spectrum+ and its BASIC tutorial and now I work as an architect, technical lead, etc.

Since 1998, I have worked on more than 50 large scale projects, mainly all in Java, Scala and related technologies.

During the course of my career, I have been in a lot of different technical positions, from senior software engineer to technical leader and architect shared with team manager and project manager responsibilities.

## WHY SHOULD YOU HIRE ME?

I bring to every project experience, agile methodologies and desire to be with a great team.

No one is more Scala evangelist and advocate than me, but my experience taught me that not everything is nails.

## MOTTO

Good software is only possible with happy developers in a great work environment.

## WHAT AM I LOOKING FOR?

I'm always looking for challenges, no matter the size of the company.

Currently, I **work from the comfort of home** (100% or almost) to don't waste my energy and time in commutes, and invest more time in my projects and my family.

## KEY ACHIEVEMENTS

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From 2015 to 2016, I was part of a team (two developers at the beginning) with the challenge of being part of the design and implementation of the **Dun and Bradstreet's Search Engine**. Others teams tried it before with only part of the data set, but they did not achieve enough performance to be able to sell the service. In no more than five months, we released an API (including the ETL, indexing pipeline, etc) serving 350 millions of records with more than 20 different filters.

My more worthy project has been my own startup project: [www.simpleportal.com/en/index.html](http://www.simpleportal.com/en/index.html), a **CMS / ecommerce SAAS platform developed from the scratch**, where I demonstrate that usability and simplicity are compatible with flexibility, power, performance and the use of standard technologies.

In 2001 I was working in the first enterprise project base in Java/J2EE in the Santander Bank. My share in this project was recompensed with a 2 year contract in this company as Java technical leader in one of the more important departments (The Treasury Department).

## EDUCATION SUMMARY

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**Computer Systems Technical Engineer Bachelor Degree** (3 years / 1998) in Universidad de Extremadura (Spain).

*I need to present the capstone project, but before I have many more important things to do.*

## FORMAL TRAINING

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- Google Cloud Certified. Professional Cloud Architect.
  - [Professional Cloud Architect](#) /February 2024
- Google Cloud Skills Boost. Cloud Architect Learning Path.
  - [Logging and Monitoring in Google Cloud](#) /February 2024
  - [Getting Started with Google Kubernetes Engine](#) /February 2024
  - [Reliable Google Cloud Infrastructure:Design and Process](#) / February 2024
- Coursera GCP Specialization: Cloud Data Engineer Professional Certificate
  - [Modernizing Data Lakes and Data Warehouses with Google Cloud](#) /May 2022
  - [Building Batch Data Pipelines on GCP](#) /May 2022
- Coursera GCP Specialization: Cloud Architect Professional Certificate
  - [Reliable Google Cloud Infrastructure: Design And Process](#) /May 2022
  - [Elastic Google Cloud Infrastructure: Scaling and Automation](#) /April 2022
  - [Essential Google Cloud Infrastructure: Core Services](#) / April 2022
  - [Essential Google Cloud Infrastructure: Foundation](#) / April 2022
  - [Google Cloud Fundamentals: Core Infrastructure](#) / April 2022
- Flutter
  - [The Complete 2020 Flutter Development Bootcamp with Dart](#) / Sept 2020
- Kubernetes
  - [LFS158x: Introduction to Kubernetes](#) / July 2020
- Reactive Architecture
  - [CQRS and Event Sourcing - Level 2](#) / April 2020
  - [Building Scalable Systems - Level 2](#) / April 2020
  - [Distributed Messaging Patterns - Level 2](#) / April 2020
  - [Domain Driven Design - Level 2](#) / April 2020
  - [Introduction to Reactive Systems - Level 2](#) / April 2020
  - [Reactive Microservices - Level 2](#) / April 2020
- Akka Microservices
  - [Lightbend Akka for Scala Professional - Level 1](#) / April 2020
  - [Lightbend Telemetry Installation - Level 1](#) / April 2020
- Functional Programming in Scala Specialization
  - [Big Data Analysis with Scala and Spark](#) / June 2017
  - [Functional Program Design in Scala](#) / October 2016
  - [Functional Programming Principles in Scala](#) / September 2016

- Blockchain Specialization / December 2018
  - Blockchain Platforms / December 2018
  - Decentralized Applications (Dapps) / November 2018
  - Blockchain Basics / October 2018
  - Smart Contracts / October 2018
- Shaping up with Angular JS - Code School / December 2015
- M101: Mongo DB for Java Developers - Mongo DB University / August 2015
- Scrum Manager Certificated - June 2011 / 16 hours.  
<http://www.scrummanager.net/perfil-de-usuario/userprofile/angelcervera>
- Oracle BPEL - 2006 / 1 day

## LINKS

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Personal WEB: <http://www.acervera.com>

Github: <https://github.com/angelcervera>

Stackoverflow: <http://stackoverflow.com/users/248304/angelcervera>

Linkedin: <http://www.linkedin.com/in/angelcervera>

Twitter: <https://twitter.com/angelcervera>

## MORE RECENT PROJECTS

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Next, the list of the most recent projects (from 2014). The rest is attached to the end of the resume.

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### TCG Land from August 2023 to January 2024

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**Primary Role:** Co-Founder.

**Secondary Roles:** Senior Solution Architect, Senior Data Architect, CTO.

**Site:** <https://www.tcg.land>

**Skills developed:** Architecture, Google Cloud Platform, Firebase, Cloud Run, Cloud Functions, Firestore, Google Cloud Workflows, Google Storage, BigQuery, GoLang, Scala, Astro, Typescript, Vue.

**Description:** Mexico and Latin America's first TCG marketplace.

Architecture and implementation from scratch a fully operative cloud native marketplace:

- Fully serverless elastic architecture to reduce cost and increase performance.
- Pipelines to extract prices, details of new card releases, notifications, delivery workflows, etc...
- Dashboard to track infrastructure performance and cost.

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### UnitedHealth Group / Optum from October 2022 to September 2023

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**Primary Role:** Senior Consultant.

**Secondary Roles:** Senior Solution Architect, Senior Data Architect.

**Skills developed:** Cloud Computing, Mentoring, Benthos, Apache Kafka, Snowflake, Microsoft Azure, Apache Spark, Java

**Description:**

- Mentoring a new team to develop PoCs and Spikes using different technologies and designs.
- Design and hand-on mentoring a solution that normalise and standardise data from hundred of different formats into a common schema into Snowflake, first version using BigData technologies (Spark/Scala) and second version using even-driven cloud-native technologies (Azure Functions, EventGrid, etc.)

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### The Block from May 2022 to June 2022

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**Primary Role:** Senior Data Architect.

**Skills developed:** Scala, Java, Architecture.

**Description:**

- PoC for a Cryptocurrency Exchanges data ingestion Architecture, Design, and Implementation using Google Cloud Provided (mainly Google Data Fusion and BigQuery) technologies and Scala. GCP services comparison (ex. DataPoc and DataFlow) were included in the PoC.

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**Stars** in **UnitedHealth Group / Optum** from **November 2021 to May 2022**

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**Primary Role:** Senior Data Architect.

**Secondary Roles:** Senior Solution Architect.

**Skills developed:** Scala, Java, Linux, Architecture

**Description:**

- Implementation of best practices and SDLC.
- Standardization and rearchitecting of processes.
- Reduction of FTE in data processing through generic framework and processes in Spark.
- Design of Cloud Migration Action Plan.
- Metadata driven ingestion framework Architecture, Design and PoC implementation.

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**Direct+ Monitoring** in **Dun and Bradstreet** from **December 2020 to October 2021**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Python, Scala, Spark, Java, AWS, Cascading, Oozie.

**Description:**

- Decoupling pipelines via AWS services.
- Snowflake pipelines.
- Cascading pipelines.

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**Working on different PoCs** in **Swiss Re** from **May 2020 to November 2020**

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**Primary Role:** Senior Solution Architect.

**Skills developed:** Java, Azure, FaaS, SWIFT message files, Python, Scala, Databricks, Spark.

**Description:** Design and implementation of different PoCs related to:

- Function as a Service (FaaS) and Event-Driven architecture.
- Spark and microservices integration and Spark processing in Scala vs Python, PySpark and Pandas.

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**Platform Prime** in **Dun and Bradstreet** from **April 2018 to March 2020**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Scala, Spark, Java, AWS, Cascading, Oozie, Avro, Hbase, ORC, etc.

**Description:** BigData lake that collects data from data providers and exposes it in a homogeneous format.

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**Analytics** in **Nitro Software Inc.** from **October 2017 to April 2018**

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**Primary Role:** Senior Data Engineer.

**Skills developed:** Scala, Spark, AWS (EMR, Athena, Data Pipeline, etc), Play.

**Description:** Collection, processing and reporting Desktop/Cloud/Services events.

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**Direct+ Search** in **Dun and Bradstreet** from **October 2015 to September 2017**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Agile project using Scrum, Scala, Spark, Elasticsearch, Java, AWS (EMR, Elasticbeanstalk, etc), Spring, Rest services with Jax-RS / Jersey, Python, Cascading.

**Description:** API to almost real time search in the D&B full data set. I participated in all components of the product: the indexing process, the Rest API, infrastructure, design, etc.

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**Metering and Monitoring in EMC from March 2015 to October 2015**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, spring-integration, RabbitMQ, Hadoop, HDSF, Zookeeper, PIG, MongoDB, Greenplum, linux (Ubuntu Server / Desktop), SVN, Junit, Maven, scrum, agile, Spring-Mvc (RestFul), Ambari, Nagios, Ganglia.

**Description:** As part of an international BigData project, we built the software to collect and show metrics and monitoring the whole system, from the ingestion process to the analysis, gathering system information and business information.

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**BigData Lake / ECPS in EMC from March 2014 to February 2015**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, spring-integration / microservices, RabbitMQ, Hadoop, HDSF, Zookeeper, Sqoop, PIG, MongoDB, Greenplum, linux (Ubuntu Server / Desktop), SVN, Junit, Maven, scrum, agile, Spring-Mvc (RestFul).

**Description:** As part of an international BigData project, we built the software to collect and analyze a large amount of heterogeneous data files gathered from a lot of different systems. This ingestion application was designed with a set of microservices communicated via RabbitMQ. With this data, EMC was capable to analyze and extract a lot of different information, like predict possible problems in EMC customer's services and devices, report usage to different platforms, etc.

## OPEN SOURCE PROJECTS.

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Partial list of my current OSS projects.

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### Osm4scala from December 2016 to Currently

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**Description:** Scala library focus in parse and manipulate PBF2 OpenStreetMap files.

**Webs:**

- <https://simplexspatial.github.io/osm4scala>
- <https://github.com/simplexspatial/osm4scala>
- <https://github.com/simplexspatial/osm-facts>

**Skills developed:** Scala, OpenStreetMap, Google Protocol Buffers.

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### Simplex Spatial from August 2015 to 2022

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**Description:** Consolidation of different personal oss projects related with GIS into a **reactive geospatial server**. This include improvement of different algorithms over spatial networks and concurrent / parallel processing, clustering, sharding, etc.

**Webs:**

- <https://github.com/simplexspatial/simplexspatial>
- <https://github.com/angelcervera/spatial-network-labs>
- <https://github.com/angelcervera/poc-drivingdistance>

**Skills developed:** Scala, Akka.

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## SKILLS SUMMARY

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No all, but more detailed skills summary.

- Scala, Akka, Sbt.
- BigData: Spark, Hadoop ecosystem (HBase, HDFS, MapReduce and occasionally PIG and Sqoop)
- Java and JavaEE stack (JPA / JAXRS / EJB / Jsp / Servlets / etc)
- NoSQL Database: Elasticsearch / Hbase / Cassandra / MongoDB / Hstore / Infinispan / BigMemoryGo / Trove / BerkeleyDB / Tinkerpop stack / Titan / OrientDB / Neo4J
- GIS: Postgis / PGRouting / OpenLayers / Leaflet / Geotools / GeoServer
- TDD and testing: Scalatest / TestNG / Junit / Selenium / Qunit /
- CI and build tools: ant / maven / Jenkins / Hudson / Continuum
- SQL Database: Oracle / MySQL / Postgresql
- Other Java related: RabbitMQ / Zookeeper / spring-integration / Apache commons libraries / J2ME / Threads / JDBC / Applets / Swing / XML / XML-RPC / Struts / Spring (spring-code, spring-security, spring-dao, spring-mock, etc.) / JavaMail / EJBs / JDO / Ibatis / Java WebStart / Web Services / JasperReports / Hibernate / etc...
- Front end: JavaScript Client, JQuery, dustjs, bootstrap / XHTML 5 / HTML 5 / CSS 3
- Application servers: Glassfish / Jboss / Tomcat / WebSphere / WebLogic / iPlanet / OC4J
- Integration with OAUTH 2.0, LDAP, Amazon, social networks, private security systems, digital payment systems (4B, Servired, Paypal, etc) etc.
- OS: Unix / Linux (Ubuntu, Debian, Gentoo, etc)
- Other languages: C / C++ / JavaScript Server / Nodejs / Python
- Monitoring tools: Ambari, Nagios, Ganglia, New Relic

- Cloud and infrastructure: Amazon AWS / Cloudfoundry / Docker

## OLDER PROJECTS

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### Real Estate Analytics in elocalia from July 2013 to January 2014

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**Primary Role:** Co-Founder.

**Secondary Roles:** Senior Solution Architect, Senior Data Architect, CTO.

**Skills developed:** Java, JavaEE Stack (JAXRS, JPA, EJBs, JAXB, etc), Postgresql, Postgis, PGRouting, OpenStreetMap, HStore, Geotools, Leafletjs, jquery, javascript, dustjs, Restful, html5, css3, bootstrap, Geojson, linux (Ubuntu Server / Desktop), Mercurial, Glassfish, TestNG, ant, ivy

Other tools and frameworks tested: Cassandra, ElasticSearch, Infinispan, BigMemoryGo, Trove, BerkeleyDB, Tinkerpop stack, Titan, OrientDB, Neo4J

**Description:** We built a technology platform for new Real Estate company, based in BigData, Data Mining and GIS, used in the automation of search premises and calculation of ideal places for new business, depending on the marker sector, demographic data, sociological data and public survey data.

As technical lead, I tested a lot of big data and data mining tools, always from the point view of Geospatial data.

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### Silyan Spatial in Silyan Software from August 2013 to January 2014

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**Primary Role:** Technical Lead.

**Secondary Roles:** Senior Software Engineer, Technical Architect.

**Skills developed:** Java, JavaEE, Gis, Hadoop MapReduce, Tinkerpop Blueprints, Thinkaurelios Titan, Hbase, Cassandra, OpenStreetMap, JTS (Java Topology Suite), Geotools, linux (Ubuntu Server / Desktop), Mercurial, TestNG, ant, ivy.

**Description:** I built a service to calculate influence areas (Driving Distance) using distributed memory graph network to obtain incredible performance and replace pgRouting solutions.

Has two different modules:

- The service used to calculate areas in real time, based in graphs.
  - The Hadoop architecture to prepare optimized graph based in OpenStreetMap data.
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### Retail/Franchise premises in Carrefour from September 2012 to January 2014

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**Primary Role:** Technical Lead.

**Secondary Roles:** Senior Software Engineer, Technical Architect.

**Skills developed:** Java, JavaEE Stack (JAXRS, JPA, EJBs, JAXB, etc), Gis, TestNG, ant, ivy, Rhino, JSR-223, Postgresql, Postgis, PGRouting, NavTeq, Geoserver, OpenLayers, jquery, javascript, Restful, html5, css3, WMS, Geojson, linux (Ubuntu Server / Desktop), Mercurial, Glassfish.

**Description:** We built a tool for automation, analysis and reports of commercial premises to calculate sales previsions and search ideal locations, based in real time, programmables and parameterizable equations.

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### OpenSource GIS technologies in GeoSpatial Training from July 2012 to October 2013

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**Primary Role:** Online Instructor.

**Description:** I was the instructor in the course "Open Source GIS Bootcamp" for Spanish speakers and English speakers people.

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### Tuwebmap in DataCentric from February 2011 to November 2011

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**Primary Role:** Technical Lead.

**Secondary Roles:** Senior Software Engineer, Technical Architect.

**Skills developed:** Java, JavaEE Stack (JAXRS, JPA, EJBs, JAXB, etc), Gis, TestNG, ant, ivy, Postgresql, Postgis, PGRouting, OpenStreetMap, Geoserver, OpenLayers, jquery, javascript, Restful, html5, css3, WMS, Geojson, linux (Ubuntu Server / Desktop), Subversion, Glassfish.



**Description:** We built a web application to exploit existing "big data" database with heterogeneous information.  
This data is related with geospatial information and users can generate new data creating new shapes and recalculating new data based on the existing.

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[www.arcobaleno2000.com](http://www.arcobaleno2000.com) in **Arcobaleno 2000** from **June 2010 to December 2010**

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**Primary Role:** Technical Lead.

**Secondary Roles:** Senior Software Engineer, Technical Architect.

**Skills developed:** Java, JavaEE Stack, maven, Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), jquery, javascript, html, css, Geojson, linux (Ubuntu Server / Desktop), Subversion, Glassfish, mysql.

**Description:** We built an ecommerce and CRM solution based in first version of SimplexPortal platform, with strong integration with Microsoft Navision.

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**Meyem Online / GIS Module** in **Meyem** from **April 2009 to March 2012**

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**Primary Role:** Technical Lead.

**Secondary Roles:** Senior Software Engineer, Technical Architect.

**Skills developed:** Java, JavaEE Stack (JAXRS, JPA, EJBs, JAXB, etc), Gis, TestNG, ant, ivy, Postgresql, Postgis, Geoserver, OpenLayers, jquery, javascript, Restful, html5, css3, WMS, Geojson, linux (Ubuntu Server / Desktop), Subversion, Glassfish.

**Description:** Meyem is one of the most important geomarketing company in Spain. We built the CRM, ERP and GIS application for this company. In addition to the more typical features of CRM, ERP and GIS, this application is used for planning, coordination, monitoring and reporting of leaflets distribution in all Spain.

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**SimplexPortal** in **Silyan Software** from **October 2008 to January 2014**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, JavaEE (JAXRS, JPA, EJBs, JAXB, etc), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), maven, Junit, TestNG, Oracle database, Postgresql, MySQL, Portlets, Jackrabbit, JSR170, JSR283, JSR286, jquery, javascript, dustjs, velocity, Restful, html5, css3, bootstrap, linux (Ubuntu Server / Desktop), Mercurial, Glassfish, Auth2.

**Description:** This is my more ambitious project.

It's a complete CMS/ECOMMERCE SAAS hight performance solution, developed from the scratch and based in JavaEE technologies.

Started the project in 2008 after tested solutions like liferay, alfresco or magnolia, my team and I developed a CMS based in de facto standard technology.

Looking for a SAAS solution and an easy SDK, we refactoring first version and removing completely Spring, Portlets, JSF and JCR, we have obtained an incredible hight performance and UX platform.

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**Marina Mercante/Gente de Mar** in **Panama Government** from **October 2008 to May 2009**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Team Manager, Senior Software Engineer.

**Skills developed:** Java, JavaEE (jsp, jstl, servlets, etc.), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), struts, ant, Ibatis, Oracle database, Tomcat, Weblogic.

**Description:** We work in the refactoring of applications used by Panama Government for the management and expedition of authorization cards.

We added features of I18N using Java standards.

Also, I coordinated translators and developers and for this proposed, we built an automatic process to find all resources, generate excel files, send files to translator and the reverse process.

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**Biometric suitcase in Panama Government from April 2008 to June 2008**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Team Manager, Senior Software Engineer.

**Skills developed:** Java, JavaEE (jsp, jstl, servlets, etc.), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), struts, ant, Ibatis, mysql database, Tomcat, webservices.

**Description:** We built software for a mobile biometric suitcase (basically, a fireproof, dustproof and waterproof suitcase with a 3G netbook and various devices connected), used to capture data (fingerprint, signature, passport photo, etc), storage locally this data and send to central servers when suitcase had an Internet connection.

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**Framework agreements in ArcelorMittal from May 2008 to December 2008**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, JavaEE (jsp, jstl, servlets, etc.), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), struts, maven, Hibertante, Sqlserver database, Tomcat, Websphere, webservices, SharePoint.

**Description:** We built the ERP used to manage and negotiation of framework agreements with commodities providers.

In this project, the main difficulty was integration between SAP, SharePoint and our application.

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**Business Intelligence Module in Mexico Government from November 2007 to December 2007**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, JavaEE (jsp, jstl, servlets, etc.), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), struts, ant, Ibatis, Oracle database, Tomcat, Weblogic, JasperReports.

**Description:** We built the business intelligence module integrated with the application used to generation and management of Mexico Passports.

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**CIC Wildlife in International Council for Game and Wildlife Conservation from August 2007 to October 2007**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, JavaEE (jsp, jstl, servlets, etc.), Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), struts, maven, JDO, Mysql, Tomcat, JasperReports.

**Description:** We built an ERP used to management, publication and certification of international hunting trophies.

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**asturias.es in The Principality of Asturias from 2006 to 2007**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, JavaEE, Spring (spring-code, spring-security, spring-dao, spring-mock, etc.), maven, Junit, Ibatis, Oracle database, Oracle Application Server (OC4J), Oracle BPEL, Portlets, Vignette.

**Description:** In this parenthesis as Freelancer, I was member of "The core team", a selected twelve people team, responsible for the architecture and framework used in all applications developed for the government of The Principality of Asturias.

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**NCRouter in NaturalCom from August 2006 to September 2006**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2ME, Bluetooth, RPC, WebServices, Anoto Digital Pen

Technology.

**Description:** We built a mobile router, who get information from Anoto Digital Pen, store this information in the mobile device and resend data to specific URL when 3G connection is available.

In server, we implement a configurable proxy who process and resend data, depending of the configuration and the data patterns.

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**Natural Notes** in **Amena** from **February 2006 to August 2006**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, MySQL, Anoto Digital Pen Technology.

**Description:** We built an application based in Anoto Digital Pen Technology, who synchronize handwritten book with an online digital version (in pdf format).

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**Booking tool** in **HCI International** from **April 2005 to September 2006**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, MySQL.

**Description:** We built a booking and ERP application for HCI International, broker between hotel chains and tour operators.

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**Calidad de hogar** in **Calidad De Hogar** from **August 2005 to April 2006**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, MySQL.

**Description:** We built a CRM/ERP developed for the home services contractor company, specialist in foreign personal service.

This application manages meetings, personal skills, customer request, etc.

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**puntoinmobiliario.com** in **IP Soluciones February 2005**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Postgresql.

**Description:** This application was a site and a CRM/ERP for a real estate company. I built the online search module.

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**Inventory and Bidding** in **Ancades** from **November 2004 to January 2005**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Mysql.

**Description:** We built a simplex CMS module to edit the inventory and bidding of horses.

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**Cyrus** in **Cyrus** from **September 2004 to November 2004**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Senior Software Engineer, Technical Lead.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Mysql.

**Description:** We built a CRM/ERP for horse studs management.

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**Technical Lead** in **Crédito y Caución and IBM/INSA** from **April 2004 to August 2004**

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**Primary Role:** Technical Architect.

**Secondary Roles:** Technical Lead.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS.

**Description:** I was the technical lead and java expert, responsable of IBM projects in Crédito y Caución.

Mainly, we built a frontend and proxy between internal services developed in

COBOL and the final user.

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**Danone Yellow Pages / Danone White Pages** in **Danone** from **January 2004 to April 2004**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, LDAP.

**Description:** We built a human resource portal and intranet with profiles and skills of employees and providers.

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**Glacier / LogHost** in **Innova Solutions** from **January 2004 to April 2004**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, PERL.

**Description:** We built an application for analysis and exportation of log systems.

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**Campus Home English / CEAC English** in **Espasa Calpe** from **April 2003 to November 2003**

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**Primary Role:** Technical Quality Supervisor.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, SQL Server.

**Description:** We built the first version of the elearning portal of Home English and CEAC.

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**For a luxury Reale estate company** in **IP Soluciones** from **April 2003 to November 2003**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Postgresql.

**Description:** We built a CRM and real estate Portal.

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**Security module** in **Santander Bank** from **August 2002 to February 2003**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, Swing, AWT, J2EE, JSP, JSTL, Servlets, HTML, CSS, Oracle, Weblogic.

**Description:** We define and develop the security standard for applications at treasure department.

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**Contract Management** in **Santander Bank** from **August 2002 to February 2003**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Oracle, Weblogic.

**Description:** We built an application to management and evolution control of contracts between risk and legal advice departments.

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**Subcontracted employees timecard** in **Santander Bank** from **April 2002 to February 2003**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Oracle, Weblogic.

**Description:** We built an application to management and timecard for subcontracted employees.

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**Warrants** in **Santander Bank** from **August 2002 to February 2003**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, Swing, Tibco.

**Description:** We built an application to realtime management and monitoring of Warrants product transactions.

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**Fixed income securities management in Santander Bank from November 2001 to December 2001**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Oracle, Weblogic.

**Description:** We built the software user to manage the product "Fixed income securities" for wholesalers brokers.

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**Equity funds management in Santander Bank from April 2001 to November 2001**

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**Primary Role:** Software Architect.

**Secondary Roles:** Senior Software Engineer.

**Skills developed:** Java, J2EE, JSP, JSTL, Servlets, HTML, CSS, Oracle, Weblogic.

**Description:** We built the software user to manage the product "Equity funds" for wholesalers brokers.

This was my first project as Freelance and the first project developed in Santander bank using java technologies. But Java is here to stay!

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**Qarana Solutions from 2000 to 2001**

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**Primary Role:** Software Engineer.

**Secondary Roles:** Team Manager.

**Description:** In two years, and starting as a software developer I became the team manager in an important project for Patagon.

Thanks to the philosophy of the company, in that time I learned a lot about new trending of software development.

In this company, I collaborated in 3 different projects:

- Diversia: Ecommerce, worldwide leader, specialist in DVDs, books y CDs, using Broadvision Javascript server side and oracle technologies.
- Banca Credem: Home banking developed in Italy using Broadvision Javascript server side and oracle technologies.
- Patagon Aggregator: Multi-bank Portal (aggregator) for Patagon using Java.

**Skills developed:** Java, ant, Javascript Server Side (With broadvision), Oracle database

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**Indra from 1999 to 2000**

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**Primary Role:** Software Engineer.

**Skills developed:** C++, Visual C++, Oracle Database, PLSQL, DBASE, Big Data.

**Description:** I worked in the migration of large part of the computerization of Telefónica, from a COBOL/DBASE system to C++/Oracle, developing a complex and large batch process for big data manipulation.

Sometimes younger people think that Big Data is something new, but this is an example of Big Data in the past century! And yes, using technologies of the past century. We wished to have Hadoop!

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**Xtrem from 1998 to 1999**

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**Primary Role:** Software Engineer.

**Skills developed:** C++, Visual C++, MFC, Cristal Reports, SQL Server.

**Description:** This was my first paid project as developer. Basically, the project was computerizing of a department of "El Corte Inglés", an important Spanish company.

It was a typically three layer architecture based in Microsoft Technologies.

## OTHER PERSONAL PROJECTS.

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### **MaiFeed** in **Maifeed** from **February 2015 to July 2015**

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**Skills developed:** Java, JavaEE (JaxRS, EJB), HTML5/JavaScript, Titan Graph Database (Cassandra / ElasticSearch), TinkerPop Blueprints Graph Stack, Facebook API, OAuth 2.0.

**Description:** Maifeed is a free "reader" dedicated to Facebook Fan Page posts. When a person following your Fan Page subscribes to Maifeed, we deliver 100% of your post to them.

In this moment, we are in the first stage of the startup project.

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### **Dust-fw**

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**Description:** Dust-fw is my own new architecture based in a complete decoupling of the user interface and the backend. This Architecture is based SOAP, but using RestFul and a simplification of messages. This architecture has been used in my last three projects with successful in conjunction with dustjs and JAXRS

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### **Berta**

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**Description:** Berta is a data-driven design tool that transform a simple set of XML metadata files in a complete JavaEE application. Thanks to this tool, a lot of projects (mainly ERPs and CRMs) have been able to implement in a very short time (approx, 80% than with other methodologies and tools).