

FRANCISCO LÓPEZ-SANCHO

SENIOR DEVELOPER

Specialized in Big Data

Profile

I really love coding and while obsessed with its elegance always keep an eye on delivering.

I tend to empathise very easily and have good communication skills.

Although strong opinionated I question everything. Myself included if not first.

Almost, almost always I'm pushing to improve. Definitely not a big fan of resting.

Skills

Development

10 years developing software, currently in the Big Data Space

Testing

TDD and BDD evangelist

Architecture & design

5 years experience in designing and developing solutions from end to end. From requirement gathering to deployment.

Technical Knowledge

Development

Scala

Java

R, Python (Around ML)

Ruby

Big Data Frameworks

Spark

Hadoop

Dev Ops

Chef

Ansible

Docker

Kubernetes

Terraform

Virtualization

VMWare,VirtualBox,Vagrant

Services

SOA, Web Services

AWS: EC2,IAM,VPC,RDS,...

Databases

MySql, Oracle

HBase, Elasticsearch, MongoDB

Experience

Senior Data Engineer (DevOps/Scala/Java)

09/2016-today

Think Big Analytics, a Teradata company

In the Big Data space I'm helping on building :

- Highly distributed and Fault Tolerant ELT platforms with DevOps tooling

- Analytic environments to be used by Data Scientist, delivered with DevOps tooling as well.

- Last but not least, ETL pipelines in all Hadoop main distributions with Scala, Java, Spark and Hive.

I'm delivering these solutions to top companies in the world in banks, telcos and governments offices travelling to different countries such as Japan, Sweden, Italy, Denmark, Spain.

Senior Scala/Java Software Engineer

07/2015-09/2016

Cognia

As first contact with the platform, I created a new layer of BDD tests around an existing public HTTP API (picked Cucumber). After that, designed and implemented a fault-tolerance audit system. Choosing Scala, Spark (deployed in Amazon EMR) and Amazon Datapipeline. Lately involved in API throttling , design and implementation, and helping QA guys to learn how to automate more of the testing in many different areas. All above mentioned Languages and services were introduced by me into the company. Tools used Eclipse, SequelPro, Maven, Jenkins, AWS.

Tools used Eclipse, SequelPro, Maven, Jenkins, Command Line, Amazon Web Services

Senior Java/Scala Software Engineer

12/2013-07/2015

IFPI

I developed multiple solutions to help legal music commerce all around the world. Processing Data, building APIs as REST Web Services are some of the projects developed, some others involve Machine Learning and some Data Analysis with R. Almost every single solution works in a High Performance environment, 24/7. There's been many small projects in the last year and some quite big. One of those big projects processes social interactions (Twitter,Facebook,Tumblr...) in order to find whether they had ilegal content. It was the signature project in 2014 and I did most of it, from backend to frontend.

Develop is based on Java, Scala, Akka, Spring, JPA through Test Driven Development. This tools query SQL and NoSQL Databases, MongoDB to be exact

The core team is eight people. I'm in charge of introducing new technologies to the rest of the group and

give support to two juniors
Tools used Eclipse, SqlDeveloper, Maven, Hudson, Command Line, Amazon Web Services

Senior Java Software Developer

Argonet Comunicaciones S.L.

02/2012-11/2013

This project was an internal web solution for the Ministry of Defence. It was a Web application that allowed CRUD of complex tasks and also of its single elements.
Develop is based on JSF2, Spring, JPA and SOAP web services through Test Driven Development.
Responsible for implementing migration from a legacy technology to Java, frontend and backend. In a team of four deciding best practices around JSF2. In all area leading Testing Driven Development.
Tools used Eclipse, SqlDeveloper, Maven, Hudson, Sonar.

Java Software Developer

SoftwareAG Spain

09/2008-02/2012

Project 1 - 11/2010-02/2012

This project was a Web Application for savings banks to provide capital grant to associations in a national scope. Application aimed to manage the following features: capital solicitation, steps until acceptance and track of the status of the process.
Developed in a BPM, ESB and WS oriented framework.
Responsible for implementing required features, frontend and backend.
Tools used Eclipse, VmWare, SqlDeveloper, Ant.

Project 2 - 09/2008-11/2010

This project was a Web Application for savings banks in a national scope to manage personal loans and mortgages. Application aimed to manage the following features: loan or mortgages solicitation, steps until acceptance and track of the process itself.
Developed in a BPM, ESB and WS oriented framework.
Responsible for implementing required features, frontend and backend.
Tools used Eclipse, VmWare, SqlDeveloper, Ant.

Ruby Software Developer

Intec. New Technologies consulting

06/2007-06/2008

This project was a Web Application aimed to support Entrepreneurs in her business development under "Plan Avanza 2007" of Spanish Government. Application was designed as a table game. Each step would develop skills mostly through a little bit of theory and some question.
Developed using MySQL, Ruby on Rails and an Apache Server.
Responsible for implementing required features, frontend and backend.
Tools used TextMate, MySQLWorkbench.

Microsoft Office Trainer

Different companies

2000-2007

Training Microsoft Office to different clients as NATO or Airbus

Education

ORACLE CERTIFIED PROFESSIONAL

Java SE 6 Programmer

UNED - Universidad Nacional de Educación a Distancia (2011-2014)

Philosophy

Coursera

Functional Program Design in Scala, Functional Programming Principles in Scala, R programming, Reproducible Research, Statistical inference

Languages

Spanish
Native

English
High Level, written and spoken

German
Basic level
