ALEJANDRO GÁLVEZ VICENTE

FULL STACK DEVELOPER
BIG DATA DEVELOPER

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WORK EXPERIENCE

**Big Data Developer, Santillana S.A. - Neoris; Madrid, Spain; —
2019/01-Present**
Santillana offers to the students different web tools to improve their learning experience.
In order to manage the students results, the teachers are provided with a dashboard where they can evaluate their students.
To generate this dashboard, the logs of the different tools are extracted, transformed and loaded (ETL) in parquet files using Amazon Glue and Spark. Calling REST micro services, this information is shown in the dashboard, using Amazon Athena to query the data.
At the same time, legacy code has to be fixed and maintained.

Technologies stack for the ETL process and new micro services:
- PySpark
- AWS Glue
- AWS Athena
- AWS Lambda
- Redis
- Java 11 (SpringBoot, JUnit, Mockito)

Technologies stack for the legacy platform:
- AWS DynamoDB
- AWS AuroraDB
- AWS Beanstalk
- AWS Lambda
- Java 8 (SpringBoot, MyBatis, JUnit, Mockito)

Other technologies:
Git, Jira, Confluence, Bamboo, BitBucket, Sonar, Nexus

**Senior Analyst, Telefónica S.A. - Neoris; Madrid, Spain; —
2017/10-2019/01**

Member of TELCO's team.

TELCO aims to digitally transform every tool and program used by Telefonica. In order to reach this goal, every tool and program is re-analysed and re-implemented.

I have to create a design of the software that is going to be coded. This design include the **data model**, different diagrams like **activity diagrams**, user cases,   and the **tests** that the software needs to pass before being deployed in production. This design is saved in a document that is sent to the developers.

In the coding phase, I have to code the most complex parts of the new software and guide the junior **developers**, make corrections in the documentation and **answer** their design-related **questions**.

Once the design is implemented, I have to check that the **code style** follows the company's good practices and **test and deploy** it in the different testing environments. To accomplish this task I have to **coordinate** with different teams to ensure that the necessary dependencies have been deployed.

Once the code has been tested and passes all the quality standards it's deployed in production.

The technology stack included Java8, SpringBoot, AngularJS, Oracle DB, Sonar, JUnit & Mockito, Postman, Weblogic.

**Full Stack Developer, MIRAI ESPANA S.L.; Madrid, Spain; —
2016/05-2017/10**

As part of Mirai's **back-end** developers team, I had to analyse the requisites, design the low level **architecture**, code, test and deploy new functionalities.

Overall, I developed software related with hotels management and statistical reports. This reports used a different DDBB to extract data, MongoDB specifically. The **ETL process** which migrated the data **from PostgreSQL to MongoDB** was one of my biggest achievements.

Also, I had to develop **Front-end** related stories, using JQuery, JSPs, CSS Styles, etc. This developments where focused in the company's intranet, where hoteliers configure their hotels.

Another business branch was the third-party **integration** with brands like **Google**, **Trivago**, **TripAdvisor**, etc. I contributed in the development of Trivago's ExpressBooking and Google's HotelAds **API integration.**

Hotel business and basic economic theory related knowledge was necessary.

Back-End development: Java8, MVC&MicroServices architecture, Spring

Front-End development: REST paradigm, Spring-MVC, JSPs, JQuery
System Administration: Shell scripting, Apache config. and maintenance
Production environments management and maintenance -- Other

- Dependency control: Maven
- Application deployment with Apache Tomcat
- NoSQL persistence with MongoDB
- SQL queries and Information management with PostgreSQL
- Version Control: SVN
- UML to write and draw diagrams and documentation
- Agile developments: Scrum, Kanban, TDD.

Back End Developer; Hewlett-Packard Enterprise; Zaragoza, Spain; — 2015/11-2016/05
Member of PRIMA's developer team, formed by more than ten (10) developers divided in two teams: Front-End and Back-End.

As a member of the Back-End team, I had to analyse the new modules of the system, create the low-level architecture, code it and test that works as intended.

Stack: Java, Switchyard, JBoss, Maven, SQL Server, Git, REST APIs testing with SOAPUI, UML for documentation

(Internship) Junior Analyst; IDIOGRAM TECHNOLOGIES S.L.; Zaragoza, Spain; — 2015/06-2015/10
Responsibilities as analyst:
- Market researches
- Basic consulting for new clients
- Information classification using Excel Sheets and Macros

Responsibilities as developer:
- Designer of automated scrapping algorithms using iMacros and VBA.
- Programmer of basic level AngularJS's modules
- Deploy and configuration of Nuxeo (Documental System)

(Internship) Junior Developer; TAP Consultoria S.L.; Zaragoza, Spain; — 2015/02-2015/06
EON's ERP BI module developer.
Twenty (20) KPIs developed working with business consultants and designers.

Responsabilities:

- Client's requisites analysis
- Use and learning of economic and business concepts to develop the KPI
- FullStack developer: Back-End + Front-End
- Back-End techonologies: Java, Oracle SQL, Hibernate, Java Criteria.
- JBoss.
- Front-End technologies: Framework Vaadin.
- Documentation made using UML.

EDUCATION

University of Zaragoza, Zaragoza, Spain — 2010/09-2015/10
Computer engineering degree (Information Systems specialisation)

LANGUAGES

Spanish: Native
English: Business level / Fluid - C1
Japanese: Basic conversation level - JLPT3

COURSES

Coursera: Standford University
Machine Learning

Coursera: École Polytechnique Fédérale de Lausanne
Functional Program Design in Scala

Coursera: École Polytechnique Fédérale de Lausanne
Functional Program Principles in Scala

edx.org
Introduction to R for Data Science

edx.org
Programming in R for Data Science

edx.org
Programming in Python for Data Science

AWARDS & EVENTS

NASA SpaceApps 2015
1st local Award

NASA SpaceApps 2014
3rd Award

Pycon Zaragoza 2014
Volunteer

SKILLS

Java
90% - 6 years

React & Javascript
40% - 3 years

Spring Ecosystem (MVC, Data, Security, etc)
90% - 5 years

Linux / macOS / UNIX
90% - 5 years

Scala
35% - 2 years

SQL DBs
90% - 5 years

Python
75% - 4 years

NoSQL DBs
75% - 3 years