

## Senior Architect/Data Engineer

### Experience

- 2020-¿?** **Informa D&B** (2020 May - Actually)  
Position: ***Senior Architect / Data Engineer***  
Duties: Installing and configuring information systems to ensure functionality (K8s)  
Developing database solutions (SQL / NoSQL) to store and retrieve company information and implementing software and efficient code.
  - Migration of a monolith (RoR) to an event driven microservices-based architecture (Kafka, REST API, OpenApi, GraphQL, Spring Boot, Vue.js, Elasticsearch)
  - Scalable solutions for processing, analysing and handling large quantities of data: Spark, Hadoop, Sqoop, etc
- 2017-2020** **GrayHair Software** (2017 Nov – 2020 Apr)  
Position: ***Senior Architect/Data Engineer – Tech Lead***  
Duties: Tech Lead responsible for the re-architecture of the old platform. Migration of the reporting engines and data feeds from legacy systems, built on top of SQL Server, to the cloud (AWS):
  - Migration of the historical data (17 years) to AWS.
  - Ingest daily data under the batch processing model (ETL with Spark/Scala) because of legacy systems.
  - Generate reports from historical and most recent data using batch processes with Spark and real-time searches with Elasticsearch respectively.
- 2016-2017** **Xtremis** (2016 Jan – 2017 Nov)  
Position: ***Senior Full Stack Developer***  
Duties: Analysis, design and develop: Web, Ecommerce and REST API for mobile apps.
- 2014-2015** **Novotorium** (2013 Dec – 2015 Dec)  
Position: ***Big Data Engineer***  
Duties: Lead, design and develop Big Data solutions (AWS). We were working in different projects applying machine learning algorithms (Apache Mahout), like a Recommender Engine for a psychics platform and a Parental control app, a system capable of discerning potentially dangerous posts from the good ones.  
  
Vertical Farming Software for traceability, activity management, cost monitoring, orders, packing, etc. The system was able to collect automatically data from sensors located in the warehouses and store it in DynamoDB.
- 2013-2013** **Ip Global SL** (2013 Apr – 2013 Dec)  
Position: ***Senior Full Stack Ruby on Rails Developer***  
Duties: Analysis and development of WEB applications RoR and Ecommerce with Spree.

**2011-2013** **Informa D&B** (2011 March – 2013 Apr)  
Position: ***Senior Full Stack Ruby on Rails Developer***  
Duties: Reengineering and implementation of a system for the financial management and qualification of the companies.

**2009-2011** **BetyByte** (2009 March – 2011 March)  
Position: ***Senior Full Stack Ruby on Rails Developer***  
Duties: Analysis and development of WEB applications for important customers like a social network for Telefonica or a Tourism Platform for “Junta de Andalucía”.

**2008-2009** **Ecija** (2008 Nov – 2009 March)  
Position: ***Programmer Java EE***  
Duties: Analysis and development of WEB applications under J2EE for Telefonica.

**2008-2008** **Isoco** (2008 Apr – 2008 Nov)  
Position: ***Programmer Java EE***  
Duties: Analysis and development of WEB applications under J2EE with Liferay portlets.

**2007-2008** **IBM** (2007 Dec – 2008 Apr)  
Position: ***Business Intelligence Consultant***  
Duties: Development of BI solutions for Orange. Data mining, PL/SQL, reporting, etc.

## **Skills**

**Big Data:** AWS, Hadoop, Hive, Pig, Sqoop, Flume, MapReduce, Zeppelin, Spark, Amazon Redshift, Parquet, S3, Elasticsearch, Kibana, Apache Mahout

**NoSQL:** Cassandra, Redis, Dynamo DB

**Languages:** Ruby, JAVA, JRuby, Scala

**Databases:** Theoretic knowledge: Extend Entity Relationship (EER). Design and implementation of relational databases: MySQL, PostgreSQL, Oracle.

**DevOps:** Chef-Server, Docker, Jenkins, Rancher, Kubernetes (Thanos, Prometheus, Grafana, Hashicorp Vault, RBAC...)

**Web:** Struts (J2EE), Rails, Spring Boot, VueJS, React, API REST, API GraphQL, Capistrano, Codeship, Redis, Sidekiq, Rescue, HTML5 (Canvas), SASS, CSS, Bootstrap, Spree (Ecommerce)

**Others** Software engineering, UML and life cycle of software projects. GoF design patterns, MVC architectural pattern, Microservices, Event Driven Design.

## **Academic Training**

**1999-2006** **Computer Science Engineering Master** (Five-year Degree)  
Department of Computer Science. UDC

## **Additional Information**

**Languages** *English:* Full professional competence | *Spanish:* Native | *Galician:* Native

**Other info** [Github](#) | [Linkedin](#)