Senior Software Data Engineer

Experience

2020-¿?   **Informa D&B**   (2020 May - Actually)
Position: Senior Software Architect / Data Engineer
Duties: *Developing database solutions* (SQL / NoSQL) to store and retrieve company information and *implementing software* and efficient code.

- Migration of a monolith (RoR) to a microservices-based architecture (Event Driven, Kafka, Spring Boot, Vue, etc)

Installing and configuring information systems to ensure functionality. (k8s)
Analyzing structural requirements for new software and applications.

2017-2020   **GrayHair Software** (2017 Nov – 2020 Apr)
Position: Senior Data Engineer – TPM
Duties: Tech Lead of the Architecture team 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 in AWS. Analysis, proof of concepts, design and develop ETL processes:

- Migration of the historical data (17 years) to AWS.

- Ingest daily data under the batch processing model 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** (2014 Jan – 2015 Dec)
Position: Big Data Engineer and Full Stack Developer
Duties: Lead and develop the Big Data projects in the cloud with AWS. We were working in different projects applying machine learning algorithms 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.

I have also worked in a Vertical Farming Software for traceability, activity management, cost monitoring, orders, packing, processing, and distribution. The system was able to both collect automatically data from sensors located in the warehouses (monitoring through ModBus) and store the data in DynamoDB and collect data manually through the administration panel, helping companies create perfect environments for growing plants with optimal climate conditions and a wise use of resources.

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 Apr – 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

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. Experience with 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](#)