FERNANDO ALEGRIA

Senior Software Engineer

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WORK EXPERIENCE

Software Development Engineer @ Amazon Business

Jul 2020 - Present

Amazon Business Delivery Experience

I have been contributing to AB DEX organization goals since I joined the firm. It comprises a set of systems that allow B2B customers to provide delivery preferences for their organizations as a way to improve the post-checkout experience. As a service owner, I take care of designing, building and maintaining our services and infrastructure. As an engineer, I also contribute to operational excellence tasks that help us keep the bar high when it comes to service availability and performance.

`React` `Redux` `Java` `AWS Lambda` `SQS` `SNS` `ECS` `DynamoDB` `CloudFormation`

Senior Software & DevOps Engineer @ EY AI Innovation Center

Aug 2019 - Jun 2020

Global AI product development for Assurance

- Built CI/CD pipelines with the aid of GitLab CI/CD to deploy our solution on-premises
- Definition and implementation of a Docker-based Django REST API architecture with support for asynchronous tasks and large data volumes and a client based on React and Redux
- Set up different environments to support development, QA, UAT and production work
- Implementation of a successful multitenant scheme and new features to leverage the existing solution as a global product

`Docker` `GitLab CI/CD` `React` `Redux` `Reactstrap` `Python/Django` `MySQL` `Redis` `Celery` `MinIO`

Software Engineer @ EY AI Innovation Center

Feb 2018 - Jul 2019

Design and implementation of an OCR solution's data pipeline and web interface

Our solution aims to avoid tedious manual work to find very specific content among a large set of documents. Clients are able to consult the analyses run over their documents, and train the Machine Learning models by correcting any wrong assumptions made by the platform.

`Angular` `Bootstrap` `HTML5` `Scss` `Python/Django` `SQL Server` `Redis` `Docker` `Kubernetes` `Azure DevOps`

Development of an ingestion pipeline to transform raw data into insightful analytics

Our web platform is key to monitor the ingestion process and measure data quality. The entire platform was built with a wide range of cutting-edge technologies and the aid of an Agile software development methodology. Furthermore, Quality Assurance (QA) was enforced to deliver a robust asset, which is helpful across multiple industries.

`Vue.js` `Socket.IO` `Bootstrap` `HTML5` `CSS3` `Python/Django` `SQL Server` `Apache Hive` `Selenium`

Front-End Web Developer @ Deloitte Digital

Dec 2017 - Feb 2018

Marketing web development for the pharmaceutical industry

`Umbraco` `AngularJS` `HTML` `CSS`

Full-Stack Web Developer @ Minsait

Oct 2016 - Dec 2017

Development, maintenance and UI/UX Design of a variety of solutions for the transport and logistics industry

`Ext JS` `Java` `Spring` `Hibernate` `SQL Server` `Jasper Reports` `JUnit` `Axure RP`

SKILLS & TOOLS

Frontend

JavaScript ES6+

React/Redux

Vue.js/Angular

Backend

Python/Django

Node.js

Java

Database

SQL Server/MySQL

Redis

MongoDB

Cloud

AWS

Azure

DevOps

Docker

GitLab CI/Jenkins/CircleCI

Kubernetes/Docker Swarm

EDUCATION

Cloud DevOps Nanodegree
Udacity
Jan 2020 - Present

React Developer Nanodegree
Udacity
Nov 2018 - Apr 2019

BSc in Industrial Engineering
Universidad Politécnica de Madrid (UPM)
2010 - 2015

LANGUAGES

Spanish (Native)

English (Professional)