Fernando Alava Zambrano

Senior Software Developer

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https://github.com/fernandoalava

About Me

I'm a self-taught software developer, I have been working in a variety of sectors building mobile applications, web applications, and designing systems that scale, delivering high-quality code, through good test-driven practices, always excited about learning new things, thrilled for new challenges.

Education

Bachelor's Systems Analytics

ESPOL, FIEC - EDCOM

Languages

Spanish Native Speaker

English Professional Working Proficiency

Skills

Python

Django

React

React Native

JavaScript

Typescript

GraphQL

Node JS

Cloud Solutions Architect Enthusiast

Postgres, Maria DB

Go

Experience

Senior Software Engineer, Frontend Developer

Intertrust Technologies, Tallinn, Estonia

7 October 2019 - Present

Working with Javascript and React, developing delightful and intuitive user experiences in the solutions platform team, helping to improve and deliver web applications that help customers to improve security, data access, and data governance.

Achievements:

I moved from Ecuador to Estonia to work for Intertrust was a big challenge, since the first day I was given the task to complete one of our main web application to allow our customers to interact with our data governance platform improving usability and experience, just in couple months we deliver this proof of concept to our one biggest clients in Japan.

In the last months, I have been also working on some backend projects one is using BFF (Backend for Frontend) architecture. Since our platform was designed using microservice architecture, most of our services were built in an agnostic way, so there is a necessity to cover certain needs in our frontend, we are building this backend using GraphQL and Typescript and the second project is a service status API which provides information in real-time about the status of different services in our platform as well information about possible shortages and what actions have been made to fix those if there are. This project is using serverless architecture using AWS Lambda functions.

Technologies used: Javascript, React, Jest, React Testing Library, Cypress, Typescript, Nodejs, GraphQL, AWS Lambda, Jenkins, Docker

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Team Lead of Innovation Team

Carro Seguro S.A (Hunter Ecuador & Hunter Perú), Guayaquil, Ecuador

19 December 2016 – 29 September 2019

Design and lead product development, using Amazon Web Services focused on IoT technologies. Mentoring new developers on our development stack, implementing testing automation, and continuous integration.

Achievements:

Lead the Innovation team of the company by introducing new ways to develop better software solutions, promoting new services using cloud computing providers, saving costs, and resources for the company also improves the customer experience with better solutions, building the new roadmap for disruptive applications in the IoT sector in Ecuador.

Technologies used: Several AWS services such as Lambda, Cloud Formation, RDS MariaDB, ECS, Rekognition and others, Docker, Python, Go, React, React Native, Circle CI

Chief of Technology

Almacenes Juan Eljuri, Guayaquil, Ecuador

1 August 2015 – 15 December 2016

Led and managed the IT Department, designed and implemented IT infrastructure, software services, and developed software solutions to improve our customer services.

Achievements:

Implemented, managed IT policies for better telecommunications, ERP systems, and IT equipment that increase company productivity delivering a better experience for our retail customers.

Technologies used: Linux, VMWare, MS SQL, Java, Python, C#, Postgres.

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Network and IT Infrastructure Manager

Almacenes Juan Eljuri, Guayaquil, Ecuador

1 December 2011 – 1 August 2015

Migrated company databases from MS SQL to PostgreSQL. Reduced company expenditures on software licensing.

Reorganized the backup strategy working closely with technical support and DBA teams. Maintenance and improvement of the IT and networking infrastructure of the company.

Achievements:

Restructure backups, network configurations, and servers to improve security, reliability, and scalability for the company.

Technologies used: Linux, MS SQL, Windows Server, Postgres.

Web Developer

DOMO Solutions Web & TI, Guayaquil, Ecuador

2010 – 2011

Develop custom web solutions for several local businesses like e-commerce, education, and others.

Achievements:

Designed, implemented, and maintained web applications using Python Django Framework to manage administrative functions in the educational sector that helped teachers with student tasks and parent communications.

Designed and implemented paying solutions for several retail stores.

Technologies used: Python, PHP, Django, Drupal, Postgres

DBA

Almacenes Juan Eljuri, Guayaquil, Ecuador

2008 – 2010

Implemented databases, maintained, and optimized for our in-house ERP system.

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Achievements:

Optimized queries, functions, and store procedures that increase database speed delivering a better internal customer experience.

Technologies used: MS SQL, Postgres, MySQL

Web Developer

Amautacorp S.A, Guayaquil, Ecuador

2005 – 2008

Develop web solutions for customers and also implement Linux servers.

Achievements:

Implemented and maintained several web applications for retail stores based on open source software saving costs for our customers.

Technologies used: PHP, Python, Joomla, Linux, Postgres, MySQL, Django

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