

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 such as retail, e-commerce, IoT. Building 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.

Languages

Spanish Native Speaker

English Professional Working Proficiency

Skills

Python

JavaScript

Typescript

Django

React

React Native

GraphQL

Node JS

Postgres, Maria DB

Experience

Senior Software Engineer

Change Technologies OÜ, Tallinn, Estonia

6 September 2021 - Present

Senior Software Engineer at the Operations team, building internal tools to help our customers manage their investments in Crypto Assets, using cutting edge technologies such as Typescript, Javascript, React, AWS Lambda.

Senior Software Engineer, Frontend Developer

Intertrust Technologies OÜ, Tallinn, Estonia

7 October 2019 - 31 August 2021

Senior Software Engineer at Solutions Platform Team building the UI for our data virtualization platform and for the Intertrust Time Series DB, using Javascript and React.

Achievements:

I worked in the solutions team, during my time in Intertrust, our team build several user interfaces for our products. My main responsibility was the Data Virtualization module which allows creating datasets from different sources such as Postgres, SQL Server, MariaDB, and many others and sharing those securely, this application included an SQL editor, that allowed write queries with Intertrust Platform proprietary query language.

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

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, implementing testing automation, and continuous integration.

Achievements:

Led 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 improving the customer experience with better solutions.

Our main achievement was our flagship application AML, which is a platform that shows cars real-time information, such as trips, traveled distance, petrol consumption, information about over speedings using real data of the speed limits in cities.

This platform was built completely using serverless architecture, nowadays has around 25K cars connected with a presence in Ecuador and Perú.

Technologies used: AWS Lambda, Kinesis Streams, RDS MariaDB, AWS ECS, Docker, Python, Django, 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.

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.

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

Amatacorp 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