ADAN ALVARADO

Senior Full Stack Developer

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Summary

Results-driven **Full Stack Developer** with expertise in **React, Django** and **Node.js**. Proven ability to build scalable and efficient applications, applying strong knowledge of **data structures** and **algorithms** to solve complex problems. Excellent communication skills with a collaborative approach to team projects, ensuring seamless cross-functional work. Adept at learning new technologies and adapting to fast-paced environments.

Experience

Fortunes Tech - Contract
Aurora CO

Senior Full Stack Developer
06/2022 - Present

IT Services and Consulting

- Designed and developed a serverless architecture using **Node.js**, **ASP.Net, Django**, and **AWS services** such as **API Gateway**, **Lambda**, **EC2**, **S3**, and **DynamoDB**, resulting in reduced costs and improved performance
- Designed, developed, and deployed scalable **Microservice** architectures, using technologies like **Docker**, **Kubernetes**, and **AWS** to optimize system performance and reliability
- Led the transition of a legacy web application from a **LAMP (Linux, Apache, MySQL, PHP)** stack to a modern **React**-based architecture (**Remix**, **Golang**, and **MongoDB**)
- Managed and led a team of five web developers in building a scalable **React Native** mobile app from scratch, enhancing user engagement metrics
- Utilized **AI-based tools** like **ChatGPT** to automate certain backend processes and improve developer workflows, leading to increased productivity and reduced manual efforts
- Employed **CI/CD pipelines** with **GitHub Actions** and **Jenkins** to automate the deployment process, reducing time-to-market and improving code stability
- Implemented a personalized recommendation system using **GraphQL** and **React**, resulting in a **35% increase in user engagement** and a **20% rise in session duration** within 3 months of deployment

Hangar A LLC - Full Time
Aurora CO

Senior Full Stack Developer
02/2019 - 06/2022

Cargo Management System

- Worked on the development of the Expedited Cargo Management System, an end-to-end logistics solution that includes dynamic pricing, e-booking, real-time tracking, and exception management for air cargo shipments
- Utilized **Django** for backend development, integrating **AWS S3** and **CloudFront** for efficient file storage and content delivery, improving system performance and reliability
- Migrated the frontend from **AngularJS** to **React**, leveraging **Next.js** for **server-side rendering** (SSR) to improve SEO and application performance, implementing **Micro frontend** using **Webpack Module Federation**
- Engineered an automated deployment strategy by integrating **Mocha/Chai**, **Travis CI**, **Docker**, and **AWS EC2**
- Collaborated with third-party logistics providers to integrate **rate management**, **network administration**, and enterprise systems like **TMS**, **ERP**, and **OMS**, optimizing the backend for automated supply chain solutions
- Enhanced performance monitoring and logging using **Grafana**, **CloudWatch**, and **ELK Stack (Elasticsearch, Logstash, Kibana)** to proactively monitor system health and reduce downtime
- Optimized **data pipelines** and backend processes using **Apache Kafka** for real-time messaging, **Redis** for caching

SABS Travel Technologies - Contract
Aurora CO

Full Stack Developer
07/2016 - 02/2019

Travel Technology for Retail and Corporate Travel Agents

- Contributed to the development of **SABS's core travel booking platform** using **Node.js** and **Flask** to improve system performance and scalability, allowing travel agents and corporate clients to efficiently handle bookings
- Built **RESTful APIs** and **Graph QL** services to integrate with third-party systems such as **payment gateways**, **hotel booking systems**, and **airline reservation systems**
- Integrated **Azure Service Bus** for **message queuing**, leveraging **Spring Messaging** for asynchronous communication and ensuring seamless, reliable integration between backend components
- Worked closely with the **DevOps team** to implement **CI/CD practices** using **Jenkins**, **GitLab CI**, **Docker**, and **Kubernetes**, automating and streamlining the deployment process for better scalability and faster release cycles
- Used **Prometheus** and **Grafana** for application monitoring

Experience

Velocity Global - Full Time

Web Developer

Aurora CO

10/2011 - 06/2016

Global HR Platform

- Participated in the development of Customer Experience Platform(CXP)-SaaS product of the company with a team of senior developers leveraging **React**, **Vue.js**, **Golang**, **GraphQL**, **Docker** and **AWS**.
- Assisted in enhancing the schema for a **RESTful API** to optimize its consumption by **Apollo** Client.
- Built a semi-auto mechanism which synchronously migrates CXP database into Glean data source using **React**, **Node**, **Python** and Glean APIs.
- Integrated a third-party identity service, **OKTA**, and related UI flows, including account activation, login, forgot password, and session management using JWT, token validation, and session cookies.
- Participated in the development of Document Management Platform(DOCX), providing **AWS Lambda**, and building high-performance **RESTful APIs** using **TypeScript** and **NodeJS**, handling an average of 1,000 large-scale requests per hour.
- Developed RESTful webservices and microservices using **Golang** for reading large volume of data from **PostgreSQL** database.

Skills

Programming Language: C/C++ · JavaScript · TypeScript · Java · Python · Go · Kotlin · PHP · C#

Frontend Technologies: React · Vue.js · Angular · Next.js · React Native · Flutter · Micro frontends · Three.js · Remix · GraphQL · PWA · Ionic · Bootstrap · Webpack · Sass · Tailwind CSS · jQuery · Ant Design · Material UI · styled components · HTML5 · CSS3 · SCSS · SASS · LESS

Backend Technologies: Node.js · ExpressJS · NestJS · Laravel · Django · Flask · Golang · Firebase · Apache · Nginx · GraphQL · RESTful APIs

Databases: MySQL · PostgreSQL · SQLite · MongoDB · Redis

Extra Tools: Docker · Kubernetes · AWS(EC2 · S3 · Lambda · DynamoDB · API Gateway) · GCP · Git · Jenkins · CircleCI

Extra Knowledge: Deep understanding of Data Structure · Algorithm · AI

Education

Colorado Christian University

Bachelor's Degree of Computer Science

2007 - 2011

COURSES / CERTIFICATIONS

Data Science - Foundations — Colorado School of Mines

Data Science - Computer Science — Colorado School of Mines