Alek Sebastian Ortiz | Full Stack Software Engineer

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About me

I am a Full Stack Software Engineer with two years of experience in JavaScript, Node.js, and a strong background utilizing the MERN stack. I am passionate about my work and enjoy constantly learning new things. When I'm away from my desk, you can find me playing sports, at the gym, or trying out new restaurants with my friends and family.

Experience

Full-Stack Web Developer | Dec 2020 – July 2021
RECENT SOFTWARE ENGINEERING APPLICATIONS

Blitvazon | Amazon-Styled Photos Microservice & Proxy Server
TECH STACK - React | Styled-Components | Express | Node | MongoDB
- Developed front-end for photos and checkout microservices and integrated with other services via a proxy server utilizing REST APIs to share data across services.
- Utilized React to build encapsulated components and styled-components to modularize CSS and avoid competing classes amongst services.
- Implemented unit testing with Jest/Enzyme to ensure the stability of the React components under various types of application states.
- Deployed microservice by implementing a CircleCI pipeline into an AWS EC2 instance.

Spacework | WeWork-Styled SOA Photos Database & Proxy Server
TECH STACK - CouchDb | Redis | NGINX | Express | Node | New Relic | Loader.io
- Designed and horizontally scaled the photos microservice back-end system from an inherited codebase to handle large amounts of traffic to preserve system availability, conforming to the RESTful API architectural style.
- Benchmarked database CRUD operations to optimize latency and performed stress testing on the deployed service REST API. Resulting in optimal service latency, throughput, and error rate.
- Configured a Redis cache to use an LFU cache eviction policy for faster read operations that averaged less than 50ms.
- Optimized the availability of the service under stress by implementing an NGINX reverse proxy to avoid unnecessary database reads with a micro-caching configuration to avoid serving stale data to the client resulting in a 2600% RPS increase with sub 1200ms response times and a 0% error rate under stress.
- Dockerized and deployed database, server, and proxy containers into a cluster of AWS EC2 instances.

Provider Enrollment Specialist | Aug 2019 – Present
ACCENTURE
- Communicate directly with the client to ensure satisfaction during the rollout of the new Vendor Drug Program project.
- Perform end-to-end testing for newly released platform (PEMS) to identify bugs across the stack and enforce contract requirements.
- Perform PEMS platform user-testing to identify issues and bugs in the front-end by staging different application scenarios and testing the system capabilities and stability from a user's perspective.
- Manage system improvements related to changes in work instructions, procedures, and policies.
- Process medical provider applications and render TPIs for providers approved by the OIG.

Education

Hack Reactor | Aug 2020 – May 2021
ADVANCED SOFTWARE ENGINEERING IMMERSIVE PROGRAM

Austin Community College | Jan 2017 – May 2019
ASSOCIATE OF SCIENCE IN BUSINESS ADMINISTRATION
GPA 3.7 | Member of the Honors Program

Skills

Front End
JavaScript
React
SvelteKit
jQuery
HTML5
CSS

Back End
NodeJS
REST APIs
noSQL
SQL
NGINX

Deployment & Workflow
AWS
Heroku
Docker
Jira
Trello