

Alexander Miranda

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EXPERIENCE

PERSEFONI AI | SENIOR SOFTWARE ENGINEER

Mar 2022 – Mar 2025 | Austin, TX

- Spearheaded the development of data-intensive Go-based microservices (containerized using Docker) that communicated using gRPC and HTTP supporting the main accounting platform, ensuring scalability and performance to meet growing demands.
- Designed and implemented SQL queries for data analytics displayed in the client application and via spreadsheet exports, enabling data-driven decision-making for clients.
- Developed a new external reporting feature tailored for Japanese statutory compliance, expanding the platform's market reach and regulatory compliance capabilities.
- Successfully ported API endpoints from a legacy application into the current platform application, streamlining processes, and enhancing maintainability.

WARNERMEDIA | SOFTWARE ENGINEER

Dec 2017 – Mar 2022 | Seattle, WA

- Led the development of Go microservices (containerized using Docker) communicating using gRPC and HTTP backed by MongoDB for content management, user management, and authentication, enhancing the scalability and performance of the platform.
- Contributed to the creation of the Orbis Web Portal project, a flagship offering for customers, allowing them to self-administer their section of the tenant-based Orbis platform. Using React and Redux.
- Played a pivotal role as the founding engineer of the Spark desktop and mobile web application, which is utilized by Spark's end users.
- Ensured close to 100% uptime for Orbis services by participating in on-call rotations, resolving critical issues promptly to meet SLAs.
- Handled production promotions to the platform's Kubernetes cluster hosted on AWS.

ZILLOW | SOFTWARE ENGINEER

Dec 2016 – Aug 2017 | Seattle, WA

- Developed feature to convert mobile web users to native mobile apps, increasing retention rate by 10%. Using React and Redux.
- Implemented 15+ integration tests using Python and Selenium for high code coverage.
- Refactored registration/login UI to accommodate 50% more users, improving scalability.
- Contributed to an agile team of 7, conducting code reviews and sprint planning.

GENWEST SYSTEMS | SOFTWARE ENGINEER

Jul 2014 – Dec 2016 | Seattle, WA

- Engineered platform for trajectory and weathering models, serving government and academic users.
- Developed Python RESTful API for seamless integration with C++ computational models ensuring ease of access to internal and external web clients.
- Designed UI widget to prioritize environmental cleanup efforts enabling users to better decide how to allocate cleanup resources during operations.
- Created interactive data visualization dashboards for better understanding of the model.
- Expanded functionality of the Backbone.js platform by more than 60% for enhanced data entry.

EDUCATION

UNIVERSITY MICHIGAN - ANN ARBOR

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE WITH MINORS IN MATHEMATICS AND PHYSICS
Ann Arbor, MI

OREGON STATE UNIVERSITY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (INCOMPLETE)
Online

SKILLS

PROGRAMMING

Proficient

Go • JavaScript • MySQL • MongoDB
Git • React.js • HTML5 • CSS3 • Docker
Familiar
Python • Java • C/C++ • SQLite • Redis
dbt • Snowflake • Terraform

TECHNOLOGY

Git/Github • Github Actions • AWS
Linux • Bitbucket • Kubernetes

COURSEWORK

UNDERGRADUATE

Databases
Data Structures and Algorithms
Web Development
Networking
C/C++

LINKS

Github:// [ammiranda](#)
LinkedIn:// [alexmmiranda](#)
Blog:// [ammiranda](#)