

# 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 APIs 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.

### ISTREAMPLANET | SOFTWARE ENGINEER

Dec 2017 – Mar 2022 | Seattle, WA

- Led the development of Go microservices 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.
- 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.

### 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%.
- 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](#)