Alexander Miranda

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EDUCATION

UNIVERSITY OF MICHIGAN
BS in Environmental Science
May 2009 | Ann Arbor, MI

OREGON STATE UNIVERSITY
BS in Computer Science
Incomplete | Online

LINKS

Github:// **ammiranda**
LinkedIn:// **alexmmiranda**
Blog:// **ammiranda**

COURSEWORK

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

SKILLS

PROGRAMMING
Proficient:
Go • React.js • MySQL • JavaScript
HTML5 • MongoDB • Python • Git
CSS3 • Jest • d3.js • flot.js • Openlayers3
Familiar:
Java • C • C++ • SQLite • PostgreSQL
Redis

AWARDS

2nd Place, Lincoln Labs Hackathon, 2014
source code

EXPERIENCE

PERSEFONI | Senior Software Engineer
March 2022 - Present | Remote
- 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
December 2017 – March 2022 | Remote
- 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, utilizing React Redux for seamless administration of Orbis-backed applications.
- Played a pivotal role as a founding engineer on the Spark desktop and mobile web application, leveraging React Redux with Redux Saga middleware to deliver a robust and user-friendly experience.
- 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, enhancing scalability.
- Contributed to 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.
- Designed UI widget for prioritizing environmental cleanup efforts.
- Created interactive data visualization dashboards for better model understanding.
- Expanded functionality of Backbone.js platform by over 60% for enhanced data entry.