Alejandro Rubio

Austin, Tx | 954 - 861 - 9467 | rubio.alejandro7@gmail.com

Education

University of Central Florida Orlando, FL
Bachelor of Science in Computer Science, May 2022

Notable Coursework*:* Discrete Structures and Algorithms, Processes of Object-Oriented Software, Web Based Information Technology, Operating Systems, Secure Operating Systems and Administration, Robot Vision

Skills

Coding Languages: Java, Typescript, JavaScript, Python, PostgreSQL, SQL, HTML, CSS
Technologies: Angular, React*,* Git, Docker, Kubernetes, Express, Azure DevOps, Linux, Spring Boot
Soft Skills: Problem Solving, Cross-Functional Collaboration, Technical Communication, Accountability

Experience

General Motors
Full-Stack Software Engineer (2023 - Current)
Developed and optimized the UI / API for the Load Balancer Automation web application within Galileo, General Motors' cloud services platform and process automation hub. This tool is critical for the IT infrastructure, significantly improving efficiency and reducing costs.

Load Balancer Automation UI:

- Saved an estimated $7.2 million annually in productivity by automating load balancer creation, configuration, and modification processes.
- Reworked the original workflow, leading to over $700k in savings by enhancing data persistence, simplifying user templates, and reducing existing API performance by 60%.
- Collaborated with cross-functional teams to integrate the Load Balancer Automation UI with other critical GM systems, enhancing overall system interoperability.

Certificate Automation Renewal:

- Designed and implemented an auto-renewal process for load balancer certificates, resulting in an estimated annual savings of $1.3 million.
- Automated compliance checks for certificate renewals, reducing manual intervention by 80% and ensuring adherence to industry standards.
- Led team effort to refactor legacy code, reducing technical debt by 20% and enhancing the maintainability of the certificate management system.

Motorola Solutions
Embedded Software Engineer Intern (Summer 2020)

- Developed 3 Python scripts for Software Tools Team that organized hundreds of radio firmware versions in existing GUI using regex and string manipulation.
- Created several unit tests for these various scripts while employing industry standards.
- Contributed to the documentation of the Software Tools Team’s best practices, improving onboarding efficiency by several hours.

Embedded Software Engineer Intern (Summer 2021)

- Led investigations into field issues on the Current Projects Engineering Team which solves critical issues with in-field Motorola devices.
- Diagnosed and resolved over 6 customer issues using proprietary radio logging software, unit test creation, and real-time problem analysis.