Mauricio Gonzalez Medina

Denver, CO

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Education

Colorado State University — Fort Collins, Colorado
Bachelor of Science in Computer Science, Concentration in Networks and Security — *Graduation: May 2024*

Experience

Software Engineer — Boulder, Colorado
AstraWeave Solutions — *Jan 2024 - Current*

- Demonstrated accountability by delivering custom software that prioritize secure, scalable, and efficient cloud deployment.
- Implemented APIs and server-side code in cloud environments, utilizing languages like JavaScript and Python.
- Collaborated in a dynamic team, contributing to architecture and design solutions under tight deadlines.
- Enhanced technical skills across multiple operating systems and cloud platforms, delivering key project components.

Network Support Engineer — Chicago, Illinois
Cisco Meraki — *May 2023 - August 2023*

- Resolved 50+ network incidents via Salesforce, ensuring customer satsfication with the Cisco Meraki Product Line
- Configured various Meraki Products, enhancing customer network management and threat management.
- Troubleshot various networking issues, analyzing and optimizing network performance across 50+ customer environments.
- Participated in various projects with a wide range of cross-functional teams to improve network solutions.

IT Lab Technician — Fort Collins, Colorado
Engineering Technology Services — *Jan 2023 - Current*

- Maintained a network of over one thousand computers, ensuring uninterrupted connectivity and smooth operation.
- Resolved 200+ tickets for Microsoft 365 and Windows IT environments, improving system performance.
- Assisted in the development and implementation of college-wide cybersecurity protocols and procedures.

Projects

Trip Planner | *Java, JavaScript, MariaDB, ReactJs, REST APIs* — **Jan 2023 - April 2023**

- Led a team of 5 to deliver a web-based map tool within 5 sprints, focusing on secure and private user data handling.
- Implemented identity and access management features, ensuring limited access to sensitive location data.
- Implemented system design principles to develop and optimize software applications, improving performance by 30%
- Achieved 92% test coverage, ensuring robust application performance and reliability.

Loggy Network Troubleshooting Tool | *JavaScript, Python, Ngrok, Flask* — **May 2023 - August 2023**

- Managed a team of 5 in agile development of a troubleshooting tool, enhancing network security and performance.
- Created log and pcap scanning features, increasing troubleshooting efficiency by 20% for private networks.
- Integrated the tool within Cisco Meraki's infrastructure, providing enhanced access control and identity verification capabilities.

Technical Skills

Languages: C, C#, C++, Java, JavaScript, PHP, PowerShell, Python
Operating Systems: Unix/Linux, macOS, Windows
Tools/Technologies: NPM, Node.js, ReactJS, Webpack, Git, Agile/Scrum, databases, cybersecurity
Development Practices: Agile development, Test-Driven Development
Testing Tools: GitHub Actions, Jest, JUnit, Postman
Cloud Technologies: Heroku, Digital Ocean

Leadership Experience

Latinx Computer Science Mentor — **Fall 2022 – Present**
Lead Mentor — *Colorado State University*

- Mentored 15-20 first-generation Latinx students, contributing to a 15% enhancement in program retention rates.
- Facilitated weekly lunches, study groups, check-ins, and social events to foster a supportive community environment.

Interests

Chess, Design Thinking, Djing, Hackathons, Hiking, Jiu-Jitsu, Photography, Photoshop, Wrestling