

Justin D. Perez

SOFTWARE ENGINEER

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Experience

Cox Automotive Inc

Draper, UT

SOFTWARE ENGINEER 1

June 2023 - Current

- Developed and maintained enterprise-level security software used by hundreds of software teams across the company.
- Increased security adoption at Cox Automotive by over 40% by creating simplified upload processes and efficient defect retrieval methods.
- Designed and implemented tools that generate comprehensive security status reports for more than 7,500 software components.
- Integrated security solutions with industry-leading vendors, including Veracode, NoName, and Wiz.
- Enhanced the overall security workflow, improving the user experience for software teams and optimizing security practices across the organization.

Wavetronix

Salt Lake City, UT

SOFTWARE ENGINEERING INTERN

March 2022 - January 2023

- Developed and maintained a C# application that simulated traffic patterns, allowing users to design intersections and optimize layouts for traffic engineers.
- Created a C# application to process traffic simulation data, generating visual representations in graph form for easier data analysis and interpretation.
- Contributed to improving traffic design processes by making complex simulation data more accessible and understandable to engineers.

Skills

Programming

Java, C#, Python, Go, JavaScript, TypeScript, AWS, GitHub, Azure DevOps, Docker, MySQL, Bootstrap, ReactJS, ASP.Net Core, Selenium Web Driver

Soft Skills

Strong leadership, communication skills, and critical thinking ability. Willing to learn new skills and am excited for new opportunities to learn.

Education

University of Utah

Salt Lake City, UT

B.S. IN COMPUTER SCIENCE

Graduated May 2023

- Spring/Fall, 2019-2023 - Dean's List
- Spring/Fall, 2019-2023 - Honor Roll

Projects

Huddle Up

Salt Lake City, UT

CORE MEMBER

Aug 2022 - May 2023

- Developed a group fantasy football web application focused on enhancing the team aspect of fantasy sports.
- Utilized React for building the frontend, with Tailwind CSS and Mantine for responsive and modern styling.
- Implemented a robust backend using Node.js, leveraging TypeScript for type safety and maintainable code.
- Designed and integrated a MySQL database using Prisma ORM for efficient data modeling and management.
- Managed version control and collaborative development using GitLab, ensuring seamless integration and deployment.

Room Reserver

Salt Lake City, UT

CORE MEMBER

Aug 2022 - May 2023

- Developed a web scraper using Selenium Web Driver in JavaScript to automate daily reservations of study rooms at the University of Utah Marriott Library.
- Deployed the application on an Amazon EC2 instance for consistent and reliable automated scheduling.
- Streamlined the reservation process by automating repetitive tasks, saving time and ensuring availability of study spaces.