

# Justin D. Perez

FULL STACK 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.
- Built reporting ETL jobs leveraging Cloudwatch Events, ECS Fargate, Lambda, and more.
- Developed and maintained a graph database, leveraging Neptune, storing thousands of interconnected entities, including security vulnerabilities, software components, teams, and users, to streamline data accessibility and support security workflows.
- 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.

### Campus Core

Remote

SOFTWARE ENGINEER

November 2024 - Current

- Built backend services on Azure, providing secure, scalable, and real-time access to educational resources for up to 2,000 students.
- Conceptualized and developed a scalable educational platform for universities, enhancing student-advisor communications using React, React Native, Tailwind, Node.js, Azure, and MySQL.

### 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

### Software

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

### AWS

Lambda, ECS Fargate, ECR, DynamoDB, CloudWatch, CodeBuild, S3, Neptune

### 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

August 2019 - May 2023

## 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.