Preston Roesslet

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Education

University of Oklahoma - BS in Computer Science   December 2024

Experience

Software Developer I, O'Reilly Auto Parts - Remote   May 2024 - Present
- Redesigned email batching logic, improving processing efficiency
- Led the development of a new store signage printing system, enhancing visual consistency across all 6,000+ stores
- Deployed a new database structure on an IBM iSeries/AS400 System
- Ensured software quality by communicating with QA to fix any bugs

Jr. Software Developer, O'Reilly Auto Parts - Remote   August 2023 - May 2024
- Utilized Jira, Bitbucket, and Confluence for project management and collaboration
- Communicated with a large team of developers to fulfill business requirements in an efficient manner

Software Development Intern, O'Reilly Auto Parts - Springfield, MO   May 2023 - August 2023
- Learned full-stack development using the Java Spring Boot framework
- Learned database design and management using SQL
- Enhanced proficiency in HTML, Javascript, and CSS including Bootstrap and one of O'Reilly's Javascript frameworks

Director of Development, Oklahoma Weather Lab - Norman, OK   May 2021 - June 2024
- Led the development of a text based forecast discussion system, increasing lab efficiency and enhancing the user experience
- Oversaw the operation of the Hub of OWL Operational Technology (HOOT)
- Supported HOOT members with development tasks by leading workshops and presentations
- Increased overall user experience by redesigning the website using Vue

Full-Stack Web Developer, CIWRO - Norman, OK   December 2021 - May 2024
- Developed and maintained the internal website for CIWRO employees
- Developed and maintained the public facing website
- Designed a new outreach page to increase community engagement

Projects

Message Through Time, Hacklahoma 2024
- Developed an application to scan a modernized version of punch cards and decode the message
- Leveraged an ESP32 microcontroller and OpenCV to develop a message decoding system

Nixa Amateur Radio Club Website
- Implemented LDAP based user authentication system
- Led the development of a new API built on Node.JS
- Automated deployments using Github Actions, Github Pages, and Heroku
- Streamlined ticket sales with a Stripe-integrated payment system, enhancing record accuracy and processing efficiency

Skills

Languages	Java, Javascript, Typescript, Python, SQL, C++
Technologies	Vue, Spring Boot, Git, MySQL, Docker, Unix command line, Bootstrap
Tools	VS Code, IntelliJ IDEA, Eclipse IDE, IBM ISeries/AS400

Certifications

Cybersecurity Fundamentals, Google
Technical Support Fundamentals, Google

Groups and Organizations

Student Association for Computing Machinery, University of Oklahoma
Oklahoma Weather Lab, University of Oklahoma
Student Chapter of AMS and NWA, University of Oklahoma