Austin Hendricks

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Technical Skills

Languages: Java, Python, TypeScript, JavaScript, Go, SQL

Technologies: AWS, CircleCI, Git, GitHub, Expo, Spring Boot, Selenium, React.js, Express.js, Terraform, Docker

Experience

Phomo   2024 - Current

Software Engineer - Bend, Oregon

- Implementing React Native mobile application to automate photogrammetry process for generating 3D models as an initial MVP to share with stakeholders
- Enabling secure authentication flows using AWS Amplify and Cognito to streamline development and ensure robust security measures for current and future developers
- Utilizing Expo and Expo Application Services to create an efficient build and deploy lifecycle for testing early stages of native code development

Generac Power Systems   2022 - 2023

Software Engineer - Bend, Oregon

- Developed a monitoring system in a Java Spring Boot Rest API for solar inverter gateway data by implementing a firmware binary decoding algorithm and uploading the data to an AWS S3 bucket
- Generated test coverage for newly implemented Java Spring Boot API endpoints and business logic using JUnit, exceeding test coverage and code quality requirements
- Created a React Native debug screen in a solar installer app using Redux with TypeScript to display firmware metadata, enabling engineer verification of firmware update information
- Integrated Python production script with third-party API to enrich incoming telemetry based on LTE data

Generac Power Systems   2020 - 2022

Software Engineer Intern - Bend, Oregon

- Gathered requirements and implemented a Flutter cross-platform mobile application, utilizing Bluetooth connectivity to deliver a functional prototype for a healthcare-based client
- Built and maintained UI regression test suite using Selenium and Python for a customer-facing site, incorporating it into the CI/CD workflow to ensure code integrity during merges
- Identified and addressed inaccurate PCB voltage threshold of in-house production script, increasing production rate, meeting quotas faster, and enabling higher output

Projects

Book Werm | *React.js, Node.js, Express.js, TypeScript, Docker*   github.com/hendraustin/book-werm

- Designed and implemented RESTful APIs with Express.js and TypeScript, managing data storage and retrieval with PostgreSQL
- Created asynchronous functionality for retrieving and parsing book metadata using Google Books API with Axios and TypeScript
- Containerized the React application using Docker to ensure a consistent experience and easy deployment across various environments

Education

Oregon State University   June 2022

Bachelor of Science in Computer Science (GPA: 3.8)   *Bend, Oregon*