Austin Hendricks

hendraustin@gmail.com linkedin.com/in/hendricks-austin github.com/hendraustin

Technical Skills

Languages: Java, Python, TypeScript, Go, SQL

Technologies: AWS, CircleCI, Spring Boot, Selenium, React.js, Express.js, Terraform, Docker, NoSQL

Experience

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
- Enabled asynchronous Java Spring Boot REST API to deliver real-time responses to a battery backup portal by utilizing caching to store data from TimescaleDB
- 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

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

Tree Well Inversion Alert System | *Arduino, JavaScript*

- Updated Arduino hardware with IMU sensor to track orientation in space for inversion detection
- Collaborated to refactor legacy repository to read from new hardware, alerting when the device was inverted for an extended period
- Documented hardware components, how to operate the device, and the structure of the repository for future developers to reference

Education

Oregon State University June 2022

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