

# Austin Hendricks

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## Skills

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**Languages:** Python, TypeScript, Java, Dart

**Technologies:** AWS, Docker, Expo, Spring Boot, PostgreSQL, React.js, Redux, Express.js, Flutter

## Experience

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### Phomo

2024 - Present

*Software Engineer I (Contract)*

- Built a React Native mobile app to collect and asynchronously upload hundreds of professional-grade photos to AWS S3 for photogrammetry modeling
- Created a build and deploy lifecycle for testing early stages of application development and prototyping utilizing Expo and Expo Application Services
- Implemented secure auth flows using AWS Amplify and Cognito to streamline development and ensure robust security measures for developers

### Generac Power Systems

2022 - 2023

*Software Engineer I*

- Added a power inverter monitoring system to a Spring Boot API by creating a binary file decoding algorithm to ingest, process, and upload firmware data to AWS S3
- Built and integrated unit tests for new Spring Boot API business logic using JUnit, resulting in a 5% increase in total code coverage
- Improved verification of power inverter firmware updates by adding a debug screen to a React Native mobile app with Redux for state management

### Generac Power Systems

2020 - 2022

*Software Engineer Intern*

- Developed a Flutter mobile application prototype for a healthcare client, connecting to IoT devices via Bluetooth for real-time health monitoring
- Improved deployment pipeline test coverage for a power inverter web control panel by building and integrating a regression test repository with Python and Selenium
- Identified and addressed incorrect PCB voltage settings in IoT device production software using pyFirmata, increasing production rate by 10%

## Projects

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### Book Werm

[github.com/hendraustin/book-werm](https://github.com/hendraustin/book-werm)

- Full stack web application for storage and lookup of books by ISBN
- Created asynchronous functionality for retrieving and parsing book metadata using Google Books API with Axios and TypeScript
- Dockerized the application to ensure a consistent development experience and simple deployment

## Education

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### Oregon State University

June 2022

*B.S. Computer Science*