

Forest Briggs

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SKILLS

LANGUAGES: TypeScript, JavaScript, Python, Go, C#, Java, SQL, HTML, CSS

FRAMEWORKS & LIBRARIES: React, Redux, Node.js, Next.js, React Native, Tailwind, Flask, Express, SQLAlchemy, Sequelize, Mongoose, Pandas, Jinja, Jest, Mocha, Chai, Pytest, Cypress, Playwright, JUnit, Spring

OTHER TOOLS & TECHNOLOGIES: Docker, Git, GitHub, PostgreSQL, MongoDB, SQLite3, RESTful APIs, Visual Studio Code, Neovim, Render, Netlify, Postman, Figma, WordPress, Unity, MacOS, Linux

PROJECTS

InvAudit - Inventory Auditing Application

[GitHub Repo](#)

- Developed a React and TypeScript frontend for managing inventory audits, supporting barcode scanner input for seamless item tracking.
- Built a Node.js and Express backend with SQLite for secure data storage, efficient processing, and RESTful API endpoints.
- Implemented CSV parsing for inventory file uploads, enabling real-time discrepancy detection and validation.
- Designed the architecture with scalability in mind, preparing for a multi-tenant SaaS deployment.

Solar Farm - Solar Panel Management Console App

[GitHub Repo](#)

- Designed and implemented a Java console application for managing solar panel installations, applying object-oriented programming principles.
- Developed file-based storage with serializations/deserialization for persistent data management.
- Wrote comprehensive unit tests using JUnit, achieving high test coverage and ensuring validation of business logic.
- Utilized Spring for dependency injection, simplifying configuration, and enhancing code modularity.

ApplySage - A custom job application tracker

[Live](#) | [GitHub Repo](#)

- Engineered a full-stack application with React and Flask, enabling users to track job applications and related materials.
- Implemented user authentication, data storage, and tracking features with PostgreSQL for persistent data management.
- Created dynamic analytics dashboards using Pandas and Charts.js to give users insights into their job search progress.

Q-Understack - A Stack Overflow clone

[Live](#) | [GitHub Repo](#)

- Implemented SQLAlchemy for efficient ORM-based data handling of questions, answers, and user interactions.
 - Utilized Redux for centralized state management, enabling smooth user authentication and real-time updates.
 - Deployed using Docker for a consistent development environment and streamlined team collaboration across multiple operating systems (Mac OS and Windows)
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WORK EXPERIENCE

Inventory Manager - West Coast Strength, Eugene Oregon

7/23 – Present

- Led the development and maintenance of the company website, fixing bugs, optimizing performance, and integrating new features to drive user engagement.
- Increased nutrition shop revenue by 62% in 2 months by analyzing sales data and optimizing stock levels.
- Improved inventory tracking by implementing advanced Google Sheets functionalities and Pandas analysis.

Software Engineering Fellow - App Academy

9/23 – 9/24

- Designed and deployed full-stack web applications using JavaScript, TypeScript, React, Flask, and PostgreSQL.
 - Collaborated in Agile teams, applying TDD practices and containerization with Docker for scalable solutions.
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EDUCATION

Full Stack Software Development - App Academy

2024

- Completed a rigorous program emphasizing modern development tools and practices, with hands-on experience in building scalable web applications.