Forest Briggs

Software Engineer

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SKILLS

LANGUAGES: TypeScript, JavaScript, Python, Java, Go, C#, SQL, HTML, CSS
FRONTEND FRAMEWORKS & LIBRARIES: React, Next.js, Redux, React Native, Tailwind CSS, Jinja
BACKEND FRAMEWORKS & LIBRARIES: Node.js, Express, Flask, SQLAlchemy, Sequelize, Mongoose
TESTING FRAMEWORKS: Vitest, Jest, Mocha, Chai, Pytest, Cypress, Playwright, JUnit
DATABASES: PostgreSQL, MongoDB, SQLite3
DEVELOPMENT TOOLS: Docker, Git, GitHub, Visual Studio Code, Neovim
DEPLOYMENT & DESIGN: Render, Netlify, Postman, Figma
OTHER TECHNOLOGIES: RESTful APIs, WordPress, Unity, Spring, Pandas

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WORK EXPERIENCE

Inventory Manager/Software Developer - West Coast Strength, Eugene Oregon   **7/23 – Present**

- Drove nutrition shop revenue from 62% increase in 2 months to over 100% growth within 4 months by leveraging data-driven inventory management and strategic product optimization.
- Engineered custom inventory management solution (InvAudit) reducing manual tracking time by 52% and improving accuracy.
- Modernized company website, optimizing UX and performance.

Software Engineering Fellow - App Academy   **9/23 – 9/24**

- Developed scalable full-stack web applications using JavaScript, TypeScript, React, Flask, and PostgreSQL.
- Led sprints in Agile environments and implemented TDD with Docker containerization.

PROJECTS

ApplySage - A custom job application tracker | React, Flask, PostgreSQL, Tailwind CSS   [Live](#) | [GitHub Repo](#)

- Built a full-stack web application tracking 150+ job applications across multiple tech industry sectors.
- Utilized PostgreSQL to manage and query complex application data, reducing manual tracking effort by approximately 75%.
- Created dynamic analytics dashboards using Pandas and Charts.js to give users insights into their job search progress.

InvAudit - Inventory Auditing Application | React, Express, TypeScript, SQLite3   [GitHub Repo](#)

- Developed a custom inventory management application to automate reconciliation processes at West Coast Strength's nutrition shop.
- Created a CSV upload and barcode scanning system that streamlined inventory verification, reducing manual tracking time by over 50%.
- Implemented real-time discrepancy detection to identify inventory variances instantly, supporting accurate stock management.
- Designed scalable multi-tenant architecture for potential SaaS deployment.

Solar Farm - Solar Panel Management Console App | Java, Spring   [GitHub Repo](#)

- Designed object-oriented Java application for solar panel installation tracking.
- Implemented file-based persistent storage with comprehensive JUnit test coverage.
- Utilized Spring framework for modular, maintainable code architecture.

EDUCATION

Full Stack Software Development - App Academy   **2024**

- Specialized in modern web development technologies, agile methodologies, and best practices.