

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, Tailwind CSS, Framer Motion, DaisyUI, Jinja

BACKEND FRAMEWORKS & LIBRARIES: Node.js, Express, Flask, SQLAlchemy, Sequelize, MongoDB

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, Sanity.io, WordPress, Unity, Spring, Pandas, React Native

WORK EXPERIENCE

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

- Engineered custom inventory management solution (**InvAudit**) reducing manual tracking time by 52% and improving accuracy.
- 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.
- Modernized companies WordPress 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.
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PROJECTS

InvAudit | West Coast Strength - 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.

BriggsByte Website - Professional Software Development Agency Website | Next.js, TypeScript, Tailwind CSS, Sanity.io [Live](#)

- Engineered performance-optimized business website using Next.js and TypeScript with SSR for improved SEO
- Integrated Sanity.io CMS for dynamic content and Framer Motion for engaging, accessible user interactions

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.

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

- Designed object-oriented Java application with Spring framework for solar panel installation tracking
 - Implemented file-based storage system with comprehensive JUnit test coverage
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EDUCATION

Full Stack Software Development - App Academy 2024

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