

Forest Briggs

Software Engineer

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SKILLS

LANGUAGES: TypeScript, JavaScript, Python, Go, C#, 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

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

PROJECTS

Learn Go with Tests - Go & Test-Driven Development

[GitHub Repo](#)

- Tracked progress through the book "Learn Go with Tests," focusing on mastering Go and implementing Test-Driven Development (TDD) principles. Built a series of projects covering foundational Go concepts such as arrays, slices, structs, pointers, and concurrency, while writing unit tests to ensure functionality and code quality.

ApplySage - A custom job application tracker

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

- Developed interactive UIs with React, utilizing its component architecture and hooks for state management. Built efficient RESTful APIs with Flask and implemented secure, optimized data storage solutions using PostgreSQL.

Q-Understack - A Stack Overflow clone

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

- Used SQLAlchemy for ORM-based data modeling to manage questions, answers, and relationships efficiently. Integrated Redux for centralized state management, ensuring smooth handling of user sessions, votes, and real-time updates. Streamlined CI/CD with Docker, automating the deployment process for rapid feature releases and fixes.

Grand Line Gatherings - A Meetup Clone

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

- Developed a full-stack meetup clone using React/Redux for the frontend, Express.js and Sequelize for the backend, and PostgreSQL for database management. Implemented core features like user authentication, event creation, and RSVP functionality, with complex state management handled via Redux. Leveraged Sequelize for optimized relational data querying and backend API integration. Focused on performance optimization and efficient data handling to deliver a seamless user experience.
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WORK EXPERIENCE

Inventory Manager - West Coast Strength, Eugene Oregon

7/23 – Present

- Improved inventory management with Pandas and Google Sheets, optimizing stock tracking and efficiency. Led website maintenance, fixing bugs, improving performance, and adding new features. Analyzed sales data to adjust stock levels, driving a ~62% revenue increase in 2 months.

Software Engineering Fellow - App Academy

9/23 – 9/24

- Built and deployed full-stack web applications using JavaScript, TypeScript, Python, React, Flask, and PostgreSQL. Developed scalable APIs, implemented authentication and data relationships with Redux and SQLAlchemy, and applied TDD principles. Collaborated in Agile teams, containerized apps with Docker, and optimized performance while meeting tight deadlines.
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EDUCATION

Full Stack Software Development - App Academy

2024

- Completed a comprehensive part-time program in full-stack web development, gaining hands-on experience with JavaScript, React, Flask, PostgreSQL, and additional technologies through the engineering of practical projects that applied modern software engineering practices and tools.