

# Forest Briggs

Software Engineer

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## TECHNICAL SKILLS

**LANGUAGES:** TypeScript, Python, JavaScript, SQL, HTML, CSS

**FRAMEWORKS & LIBRARIES:** React, Redux, Tailwind, Flask, SQLAlchemy, Express, Sequelize, Pandas

**OTHER TOOLS & TECHNOLOGIES:** Docker, Git, PostgreSQL

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## PROJECTS

**ApplySage** - A custom job application tracker

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

- Constructed dynamic user interfaces using React, harnessing its component-based architecture and hooks for managing state and side effects, resulting in highly interactive and responsive web applications.
- Developed backend services using Flask, utilizing its lightweight and flexible framework to build RESTful APIs and manage server-side logic efficiently.
- Leveraged PostgreSQL to design and implement a highly efficient and secure relational data management and storage solution.

**Q-Understack** - A Stack Overflow clone

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

- Employed SQLAlchemy for ORM-based data modeling and database interaction, providing an abstracted and efficient method to manage user-generated questions, answers, and relationships between various entities.
  - Integrated Redux to handle the centralized state in Q-Understack, ensuring consistent management of complex data flows, such as tracking user sessions, votes, and real-time updates to questions and answers. This helped maintain a responsive and scalable user experience across the platform.
  - Orchestrated automated deployment pipelines using Docker, streamlining the process of building, testing, and deploying Q-Understack. This setup optimized the CI/CD workflow, ensuring smooth transitions from development to production and supporting the rapid release of new features and fixes.
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## WORK EXPERIENCE

**Inventory Manager** - West Coast Strength, Eugene Oregon

July 2023 – Present

- Established streamlined inventory management processes and procedures at West Coast Strength, using Pandas for data analysis and advanced Google Sheets features like custom formulas and pivot tables for effective tracking.
  - Utilized data analysis to oversee inventory management, including tracking stock levels, streamlining ordering, and reducing discrepancies, which improved operational efficiency and led to cost reductions.
  - Revamped inventory selection by analyzing sales data with Pandas to identify high-demand products and optimize stock levels, resulting in a ~62% revenue increase in 2 months with sustained growth.
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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.