

Steven Taylor Cornwall

Full Stack Developer | Software Engineer

Tulsa, Oklahoma | 918-404-3737 | taylorcornwallwork@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

TECHNICAL SKILLS

Frontend: React.js, Redux, JavaScript, HTML, CSS

Backend: Node.js, Express, SQL, PostgreSQL, Python, Flask, SQLAlchemy

Expertise: Amazon Web Services (AWS), Agile, Debugging, Deployment, Scrum, OOP, Pair Programming

EXPERIENCE

Watershed Hospitality, Lead Database and Automation Engineer

July 2023 - Present

- Led cross-functional team in designing, managing, and implementing a tailored database solution.
- Automated daily tasks with Google Apps Script, reducing process time by 94%.
- Designed a user-friendly UI, enhancing data access and efficiency for all team members.
- Collaborated closely with stakeholders, including department heads and IT teams, to gather requirements, identify pain points, and implement database enhancements that directly aligned with business objectives.
- Ensured data integrity, security, and compliance with industry regulations by implementing robust access controls and regular data backups.
- Conducted regular performance monitoring and optimization of the database system, identifying and addressing bottlenecks and inefficiencies to maintain peak system performance.

PROJECTS

Weak-log, Full Stack Developer - React | Flask

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

A social workout logging web application. **Used:** Javascript, React, Python, Flask, SQLAlchemy, HTML, CSS, Node, PostgreSQL

- Developed dynamic React and Redux components for efficient data loading from a PostgreSQL backend.
- Created React components to give users visually pleasing and clear feedback of actions that affect the backend.
- Leveraged Node and Flask/ SQLAlchemy to create and manage a backend PostgreSQL server to provide full Create Read Update and Delete (CRUD) functionality to multiple features allowing users to manage and log workouts easily.
- Created advanced SQL queries using SQLAlchemy ORM, allowing user-driven data retrieval via React components.
- Optimized the backend with caching preventing redundant queries
- Implemented web-app security measures, including CSRF token usage and third-party modules, to protect user data.

PhillyRoll, Full Stack Developer - React | Flask

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

A clone of the popular anime streaming site Crunchyroll. **Used:** Javascript, React, AWS, Python, Flask, SQLAlchemy, HTML, CSS

- Utilized Flask and SQLAlchemy to create a full CRUD lifecycle for shows, episodes, user favorites and reviews, allowing users to watch shows on our site, upload their own shows and favorite shows they really enjoy.
- Deployed and managed AWS buckets for storing media files, facilitating cover photo uploads and episode videos.
- Leveraged Redux for efficient data loading, reducing page load times and server queries.
- Designed and created user-optimized React components with JavaScript and CSS for clear navigation.
- Employed SCRUM methodologies to work within a team to achieve goals within deadlines and pair-programmed to quickly develop maintainable, efficient and bug-free code.

EDUCATION

App Academy, Full Stack Development

November 2022 - June 2023

Studied the full lifecycle of a web app through front-end and back-end