Alexander HUNT

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SKILLS

JavaScript, React/Redux, Express, Flask, Python, HTML, CSS, Git, SQL

PROJECTS

NinjaVillage (E-commerce) | *(React/Redux, JavaScript, Python, Flask, HTML, CSS, Tailwindcss, PostgreSQL)*   **Live** | **GitHub**

- Designed a sales tax calculation engine that dynamically generates accurate sales tax rates based on the user's location.
- Implemented a local storage optimization strategy to enhance the UI and UX of the shopping cart during rendering updates, and significantly reduce the number of database calls required.
- Utilized Tailwindcss framework to create a highly responsive and intuitive user experience that ensures the application looks great and performs flawlessly on all device sizes.

Buzz (Messaging App) | *(React/Redux, JavaScript, Python, Flask, HTML, CSS, PostgreSQL)*   **Live** | **GitHub**

- Designed and implemented a robust RESTful API in Flask, to effectively facilitate communication between client-side applications and a PostgreSQL database, allowing data to be stored and retrieved persistently.
- Demonstrated exceptional teamwork by employing Git workflow and Kanban board to coordinate with developers, seamlessly shifting between front-end and back-end development tasks, and efficiently integrating new features promptly.
- Lead daily stand-up team meetings to ensure that all team members are up-to-date on project developments, and help to maintain a clear and transparent communication flow, which derives effective and efficient feature implementation.

AwayRental (Vacation Rental) | *(React/Redux, JavaScript, Express, HTML, CSS, Tailwindcss, PostgreSQL)*   **Live** | **GitHub**

- Developed a scheduling system using the robust Express backend framework, implementing advanced querying techniques to manage the complete booking scheduling CRUD operations.
- Employed the advanced password hashing Node.js BCrypt library, to ensure the utmost protection of user data.
- The application was designed to prioritize ease of use and accessibility across all devices, conducted through CSS flexbox and grid design techniques.

EXPERIENCE

Quality Control Engineer

Merck & Co.   Mar 2017 - Present

- Successfully managed over 25 custom software solutions, overseeing every stage of the software development lifecycle (SDLC) process.
- Administered 100+ user accounts across 40+ automated systems in a highly-regulated pharmaceutical environment.
- Established a deviation reporting process, to address root cause analysis, corrective and preventive action plans, and metric trending. The process produced a 20% reduction in occurrences within the first year.

Validation Specialist

Masy BioServices   Nov 2015 - Mar 2017

- Authored, and meticulously reviewed over 120 validation protocols and reports, including Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ) for laboratory/manufacturing instrumentation.
- Performed automated system validation/qualification in accordance with Good Laboratory Practices (GLP) Good Manufacturing Practices (GMP) guidelines, across multiple fortune 500 companies.

EDUCATION

AppAcademy - Immersive software development course with a 3% acceptance rate.   Jan 2022- Mar 2023

The Pennsylvania State University - *BS Life Science.*   Jan 2007- Dec 2011