

ZACHARY STALLINGS

FULL STACK SOFTWARE ENGINEER

contact@zachstallings.dev | 805-746-7123 • LinkedIn • Github • Portfolio • VENTURA, CA

TECHNICAL SKILLS • JavaScript • Python • SQL • HTML • CSS • Flask • Express • React • Redux • Sequelize • SQLAlchemy • Node.js • Amazon Web Services (AWS) • Websockets

RELEVANT SKILLS • Pair Programming • Team Coordination • Employee Coaching • Employee Training

PROJECTS

SLACORD | Github | Live

Python • Flask • React • Redux • AWS • Websockets • SQLAlchemy

- Spearheaded a collaborative project, "Slacord", a Discord-inspired platform, utilizing Python and Flask for the backend, integrated with AWS services for deployment and scalability.
- Implemented real-time chat features using Websockets. Utilized Redux middleware to manage WebSocket connections and dispatch actions to update the state in real-time.
- Employed SQLAlchemy for efficient database operations, streamlining data handling and integrity.
- Established useHistory and useLocation hooks from the React-Router package to manage navigation and redirect users based on authentication status.
- Collaborated with a team to deliver a fully functional platform within a 1-week sprint, showcasing both teamwork and a deep understanding of the tech stack.

AMAZING | Github | Live

JavaScript • React • Redux • Express • Sequelize

- Built "Amazing", an e-commerce platform like Amazon, using React for UI, Redux for state management, Sequelize for data handling, and Express for server tasks.
- Leveraged React's component-based architecture and hooks, such as useState and useEffect, to build dynamic and responsive UI elements for product listings, cart updates, and wishlist functionalities.
- Designed a robust backend using Express, optimizing request-response cycles and integrating with Sequelize for streamlined database operations.
- Engineered a two-tier Redux store to manage cart operations: one for temporary cart states and another for backend synchronization. This approach facilitated seamless transitions from cart to secure purchases.

MEET HERE | Github | Live

JavaScript • React • Redux • Express • Sequelize

- Architected "Meet Here", a web platform reminiscent of Meetup.com, using React for dynamic UI components, Redux for centralized state management of user sessions and group data, Sequelize for ORM-driven database interactions, and Express for handling API requests and server-side logic.
- Designed the group creation module using React's controlled components for form inputs, coupled with Redux actions and reducers to handle group data flow. Sequelize models were employed to define group attributes and relationships, while Express routes ensured secure and efficient data retrieval and storage.
- Implemented event permissions using Redux to track user roles and Sequelize for event-owner associations. Employed Express middleware for authentication and event CRUD authorization.
- Mastered React components for group listings, using Redux for asynchronous user-group updates. Leveraged Sequelize's many-to-many relationships for user memberships and Express for join/leave operations, streamlining user community integration.

EXPERIENCE

QUALITY ASSURANCE SPECIALIST • Toontown Rewritten • Remote

4/2021 – Current

- Helped launch "Sellbot Task Force," a major update with over 50 hours of original content.
- Managed QA efforts by meticulously documenting and reporting bugs in Notion, complete with detailed reproducible steps for swift issue resolution, as well as conducting log analysis to preemptively identify and mitigate game crashes.
- Exhibited strong inter-departmental communication skills, collaborating with various departments including programming, game design, art, and moderation to offer constructive feedback that enhanced gameplay and user experience.

EDUCATION

APP ACADEMY • Full Stack Web Development

Graduated September, 2023