ALEX HARIM GO

FULL STACK SOFTWARE ENGINEER

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Passionate and detail-oriented full-stack developer with a background in mechanical engineering and computer science. Skilled in React, Node.js, and PostgreSQL. Specializes in designing efficient database schemas and enthusiastic about building, fixing, and creating innovative solutions.

TECHNICAL SKILLS • JavaScript • Python • Flask • React •Redux • MySQL • SQLITE • Redux • Node.js • HTML • CSS • AWS

RELEVANT SKILLS • Data Analysis • Client Management • Customer Service • Adobe Photoshop • Adobe Illustrator

PROJECTS

Riddym | [Github](#) | [Live](#)   *React • Flask • Python • Javascript*

Full-Stack Rhythm Game: Designed and implemented a full-stack rhythm game similar to Guitar Hero, featuring dynamic note generation and real-time user interaction. Utilized a JavaScript-based frontend with React and Redux for state management, and a Python backend to handle server-side logic and database integration.

- **Efficient Data Handling**: Developed robust database schemas with SQLAlchemy to manage complex game data, ensuring efficient storage and retrieval of track information and user scores.
- **Interactive UI**: Created a responsive and interactive user interface using React and Redux, enabling smooth gameplay and seamless transitions between game states.
- **API Integration**: Built and integrated RESTful APIs with Flask, ensuring secure and efficient communication between the front-end and back-end components.

babbl | [Github](#) | [Live](#)   *Flask • React/Redux • Python • WebSockets*

Real-Time Chat Application: Developed a real-time chat application with features such as user authentication, public servers, and channels. Utilized JavaScript, Python, React/Redux, and HTML/CSS.

- **Scalable Backend**: Designed and implemented a scalable backend using Node.js and Express by optimizing API performance, implementing efficient routing, and using middleware for authentication and error handling. Enhanced scalability with load balancing, clustering, and Docker containerization for consistent deployments.
- **Responsive UI**: Developed a responsive and user-friendly interface with React, using hooks for state management, React Router for navigation, and Redux for global state control. Optimized performance with memoization, lazy loading, and the Context API for theming, ensuring smooth interactions across devices.
- **Socket.io Integration**: Utilized Socket.io to enable real-time communication between users, ensuring fast and reliable message delivery and updates.

Fortbnb | [Github](#) | [Live](#)   *Javascript • HTML/CSS • MySQL*

Vacation Rental Platform: Built a full-featured vacation rental platform, enabling users to list, rate, and review rental properties.

- **Secure User Authentication**: Implemented secure user authentication and authorization using JWTs and bcrypt, ensuring data privacy and protection.
- **Robust Backend**: Developed a robust backend with Node.js and Express, using PostgreSQL for efficient data management. Built RESTful APIs with middleware for validation, authentication, and error handling. Optimized performance with query tuning, indexing, and connection pooling.
- **Responsive User Interface**: Designed an interactive and responsive UI with React for rental listings, using hooks (useState, useEffect) for state management and React Router for navigation. Employed Redux for global state, optimized rendering with lazy loading, and used CSS Flexbox, Grid, and styled-components for responsive design.

EDUCATION

APP ACADEMY • Full Stack Web Development   **Completed 11/2023-08/2024**
- Designed and implemented web applications using technologies like React, Redux, Node.js, Express, and PostgreSQL
- Specialized in creating efficient database schemas and building RESTful APIs, ensuring secure authentication and seamless integration between front-end and back-end components.
- Practiced Agile development, participated in daily stand-ups, sprint planning, and code reviews, enhancing team collaboration and project management skills using Git and GitHub.

ARIZONA STATE UNIVERSITY • *Coursework in Computer Science & Mech. Engineering* • Tempe, AZ   **Fall 2019-2022**
- Studied Mechanical Engineering from Fall 2019 to Spring 2021, then reallocated major to Computer Science.
- Took a small break due to unforeseen circumstances, and ended up enrolling in App Academy to fast-track my engineering career.