Christopher Mizell

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SKILLS
React, JavaScript, Python, Redux, TDD, HTML5, CSS3, SQL, Git, Heroku, ORM, Node.js, Express.js, Flask, SQLAlchemy, Sequelize, Data Structures and Algorithms, AWS. Customer Service, Hospitality, Customer Relations

EXPERIENCE

TalenGen, Berkeley CA *Software Engineer Contract* November(Javascript, React, MongoDB, Mongoose, Python, CSS)
- Developed dynamic and responsive web applications using **JavaScript** and **React**, leveraging component-based architecture to enhance user experience and streamline workflows.
- Implemented backend functionality utilizing **MongoDB**, **Mongoose**, and **Express**, ensuring efficient data storage, retrieval, and manipulation to support application requirements.
- Collaborated closely with the CTO to align development efforts with strategic objectives, providing valuable insights and recommendations to drive product innovation and optimization
- Contributed to the full software development lifecycle, from requirements and design to implementation, testing, and deployments, ensuring timely delivery of high-quality solutions that meet or exceed company's expectations.

PROJECTS

Quizlr (Python, Flask, SQLAlchemy, Alembic, JavaScript, React, Redux, CSS3, PostgreSQL) Live Site | Github
A Quizlet Clone where users can create studiable quizzes, make flashcards, and save a library of quizzes. Built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend. Integrated PostgreSQL database.
- Spearheaded the development of a Quizlet Clone, empowering users to create personalized study resources including quizzes and flashcards, fostering enhanced learning experiences.
- Engineered a robust frontend solution using **React** and **Redux**, implementing state management techniques to ensure seamless interaction and dynamic content delivery.
- Architected a scalable backend infrastructure leveraging **Python**, **SQLAlchemy**, and **Flask.py**, facilitating efficient data processing, authentication, and API endpoints for seamless integration with the frontend.
- Implemented a **PostgreSQL** database to store user-generated content and library of quizzes, optimizing data retrieval and management for improved performance and reliability of the application.

Vapor (Python, Flask, SQLAlchemy, Alembic, AWS, Boto3, JavaScript, React, Redux, CSS3, PostgreSQL) Live Site | Github
Pixel Perfect Clone of Steamgames web application built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend leveraging PostgreSQL for a scalable database.
- Employed **PostgreSQL** as the backend database solution to support scalability and reliability needs, facilitating efficient storage and retrieval of game-related data, while seamlessly integrating **AWS S3** for image storage to optimize performance and scalability.
- Incorporated MVC architecture with polymorphic model associations to reduce the number of required tables by 25%.
- Crafted an intuitive frontend interface using React and Redux, employing pixel-perfect design techniques to replicate the look and feel of the Steam Games platform while optimizing for responsiveness and usability across devices.

Vinyl (JavaScript, Pug, CSS3, PostgreSQL, Sequelize, Express.js, Node.js) Live Site | Github
Web-based discussion application using Pug / CSS frontend and Javascript / Sequelize backend leveraging PostgreSQL for a scalable database server.
- Employed **PostgreSQL** as the scalable database server, enhancing data storage and retrieval process to accommodate growing user activity while maintaining a seamless and responsive user experience.
- Designed and implemented an interactive web-based discussion application with a sleek and intuitive **Pug**/**CSS** frontend, providing users with a seamless and visually appealing platform for engaging in discussions.
- Implemented modals using **JavaScript** event-listeners and **CSS3** to facilitate intuitive UX / UI to eliminate user confusion.
- Collaborated effectively with a team of four developers utilizing GitHub, fostering streamlined communication, version control, and seamless integration of code contributions to enhance the efficiency and cohesion of project development.

EDUCATION

App Academy San Francisco, CA *Curriculum of Study in Web Development (Python and JavaScript)*
Diablo Valley Community College Concord, CA *Associates in Computer Science*