Matthew Regidor
Full-Stack Software Engineer

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Skills

JavaScript, Ruby, Python, Ruby on Rails, Redux, React, GitHub, HTML, CSS, PostgreSQL, AWS S3, Webpack

Projects

Cagayan (E-commerce web application inspired by Amazon)   Live site | GitHub

JavaScript, Ruby, React / Redux, PostgreSQL, Ruby on Rails, AWS S3, CSS, HTML, Render

- Utilized PostgreSQL to store data about users, products, reviews, and cart items and normalized data by use of primary-foreign key relationships for data integrity
- Implemented search bar by using user input as keywords for Active Record query to filter for products with matching titles or descriptions
- Improved scalability by using AWS S3 to store product images and add new ones to the bucket as product inventory grew
- Applied CSS tools, like Flexbox, to ensure that site pages are organized and evenly spaced, even when additional content is added

Roominate (AI room interior design app)   Live site | GitHub

JavaScript, React / Redux, MERN stack (MongoDB, Express.js, React, Node.js), CSS, AWS S3

- Integrated with OpenAI GPT-4 and DALL-E 2 & 3 to generate new and innovative project ideas for users based on their submitted room images and prompt responses
- Collaborated with team members to ensure seamless integration of GitHub branches, minimizing conflicts and optimizing overall workflow
- Manipulated DOM with Vanilla JavaScript event listeners to prevent pages from scrolling for open modals and added file image drag-and-drop feature

Experience

Engineering Technician, Tesla | Palo Alto, CA | January 2022 – June 2023

- Assembled 100+ test units to aid in the development of Powerwall 3 (home energy storage)
- Contributed to development of Megapack (industrial battery pack) by testing battery-monitoring hardware and providing materials to support research efforts of development teams

Production Team Lead, Tesla | Fremont, CA | February 2019 – January 2022

- Increased first-pass yield of final products to 98 percent by improving production processes
- Motivated and led 30+ production associates to meet production goals
- Initiated daily meetings and frequent check-ins with production associates to ensure OSHA compliance

Production Associate, Tesla | Fremont, CA | November 2015 – February 2019

- Contributed to new product and department launches as 1 of first 100 employees of the Tesla seat factory and supported engineering team on build process documentation
- Designed training process for new employees to understand build process, reducing training time from 10 days to 7 days

Education

App Academy | San Francisco, CA | September 2023 – January 2024

Immersive software engineering course with a focus on full-stack web development