ANDY MINUCOS

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SKILLS

React, Redux, Javascript, Node.js, Ruby, Rails, Python, HTML, CSS, SQL, MongoDB, Buildkite, AWS (EC2, S3)

EXPERIENCE

Fullstack Developer

REA Group Pty Ltd - Proptrack   Apr 2021 - present
- Member of Valuations squad developing a new API linking lenders to valuation firms
- Developed a custom distribution algorithm to ensure jobs from lenders can be split amongst their contracted valuation firms with high accuracy - to within 1 job of their agreed distribution at any given time. This marked a huge improvement over the original algorithm which could only guarantee accuracy every N jobs
- Overhauled TDD procedure and current E2E test suite, cutting down runtime by 60%. This change cut our deployment time down to 60 mins, allowing for more consistent deployments through to production
- Developed winning project for our hackathon, building a tool which allowed consumers to search for properties based on investment return

Software Engineer & Lead Instructor

App Academy   Mar 2019 - Feb 2021
- Lead of Campus Hybrid curriculum team, managing the code base for our internal student learning platform
- Member of Progress Tracker engineering team, an internal tool that tracks students throughout their time at App Academy
- Built and pushed new backend (Rails, SQL) and frontend (React) features with complete unit test coverage
- Lectured to cohorts of up to 90 people on topics including React, Redux, middleware, and Test Driven Development

HTML Developer

Reliance Communications   Jan 2018 - Jan 2019
- Developed and managed ongoing and one-off email marketing campaigns using HTML, CSS, and Javascript
Facilitated regular meetings with multiple department heads to create new campaigns and develop improvement initiatives

PROJECTS

Straya (Rails, ReactJS, AWS S3, Google maps)   live | github
This project allows users to track their workouts and create running/cycling routes through google mapping integration
- Designed a custom cycling/running route creator in ReactJS integrating Google Maps' Javascript API and Direction API
- Built secure User Auth strategy using token-based authentication and BCrypt password hashing
- Leveraged AWS S3 for storing users' image uploads, imposing a file size limit and file compression to reduce latency and storage cost

Asteroids (Javascript, Canvas)   live | github
Fun browser game based on the classic Asteroids, written entirely in vanilla JS
- Built a custom game engine using JavaScript that manages the movement mechanics of the ship, asteroids, and bullets, creating a fun and satisfying gameplay experience for the player
- Engineered layers of gaming complexity e.g. splitting asteroids that rely on OOP techniques and conditional logic

TransferYikes (Rails, ReactJS, chart.js, exchangeratesapi.io)   live | github
This project allows users to make transactions between various foreign currencies, a clone of transferwise:
- Designed a custom conversion calculator in ReactJS integrating exchangeratesapi.io API and chart.js
- Leveraged custom SQL queries to maintain accurate user account balances and validate transactions before approving them

EDUCATION

Web Development - *App Academy | 2018-2019*