

DOMINIC MONARES

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TECHNICAL SKILLS

Front-End | JavaScript (ES5 and ES6), React, HTML5, CSS3, Redux, React Native, Web Audio API

Back-End | Node.js, Python, Express, MongoDB, MySQL, RESTful API Development, Memcached, Passport.js, Nodemailer

Testing/Deployment | Jest, Mocha, Chai, SuperTest, AWS: EC2 / S3, NGINX, K6, Loader.io

Developer Tools | Vim, Git, npm, jQuery, Axios, webpack, Babel, Agile Methodology, TDD, Expo

SOFTWARE ENGINEERING APPLICATIONS

Full-Stack Engineer / UI Owner | PetPix | React Native, Expo, Redux, Express, MongoDB, Passport.js, Nodemailer, Jest
Social media application | [GitHub - Front End](#) | [GitHub - Back End](#)

- Designed UI per client specifications and ensured all **React Native** component styling matched wireframes
- Created a secure user authentication workflow using **Passport.js** and **Nodemailer** for local auth, as well as options for Google and Twitter auth
- Improved UX by integrating an in-app web browser for third-party authentication

Back-End Engineer | Atelier API | Express, MongoDB, Memcached, NGINX, K6, Loader.io, AWS: EC2 / S3, Supertest
API microservice for an e-commerce application | [GitHub](#)

- Designed, built, and deployed a multi-layered backend microservice on an **AWS EC2 T2**.micro instance
- Increased throughput from 460 RPS to 1,500 RPS, with an average latency of 30ms and error rate below 0.1%, using **Memcached**, **MongoDB** indexing, and horizontal scaling
- Increased fault tolerance and system availability for users by horizontally scaling microservice layers with **NGINX** load balancing, using a round-robin configuration

Front-End Engineer | Atelier | React, WebPack, Babel, Express, Node.js, AWS: EC2, Jest, React Testing Library
E-commerce application | [GitHub](#)

- Increased Google Lighthouse performance from 40% to 81% by effectively utilizing tree-shaking, JS minification with **TerserWebPackPlugin**, and image minification with **Imagemin**
- Utilized the **Filestack API** to both store and retrieve user images uploaded in answer creation
- Developed a dynamically sorting search bar, modal windows, and an infinitely scrolling display for user questions and answers

EXPERIENCE

Facilities Assistant | GSH Group | Berkeley, CA 2018 - 2020

- Oversaw commercial building improvement projects with budgets ranging from tens to hundreds of thousands of dollars, further developing the property.
- Improved access to company data by consolidating over 50 years' worth of documents into a central filing system using OneDrive.
- Configured Angus CMMS for the property, streamlining work order and tenant management

Site Supervisor / Security Officer | Allied Universal | San Bruno, CA 2015 - 2018

- Sustained client relations through effective team management and efforts to meet staffing obligations
- Maintained a safe work environment through cordial and professional enforcement of company rules, policies, and procedures with company staff and guests
- Prevented property damage and loss by identifying and reporting failing systems, leaks, and other hazards

EDUCATION

Certificate, Advanced Software Engineering Immersive | Hack Reactor | US Remote 2021 - 2022

- 36-week software engineering immersive program with over 1000 hours of coding, full-stack development with JavaScript, React, Express, MongoDB, and MySQL.

PERSONAL INTERESTS

Creating rotoscope animations, playing guitar, bass, drums, and piano, tinkering with video game mods, luthiery