

Matthew Nguyen

itsmatthewnguyen@gmail.com | (951) 219-9146 | Irvine, CA
coosedev.netlify.app | linkedin.com/in/itsmatthewnguyen | github.com/coosey

TECHNICAL SKILLS

Front End | Next.js, JavaScript (ES5 and ES6), TypeScript, React, Redux, MobX, HTML5, CSS3, Material UI, React Bootstrap
Back End | Node.js, Express, PostgreSQL, MySQL, MongoDB, Axios, RESTful API Development
Testing/Deployment | Jest, Mocha, Chai, Postman, Loader.io, K6, Docker, NGINX, AWS, Gitlab
Developer Tools | Git, NPM, Webpack, Babel, Scrum, Agile Methodology, TDD, Figma, Jira

PROFESSIONAL EXPERIENCE

777 Partners | Frontend Developer

Mar 2022 - Present

- Devise and implement a bespoke airline travel platform with project managers and business analysts for admins and agents to purchase flights and manage bookings, generating over AUD 800,000 in sales in its first week
 - Architect and utilize a modular React architecture by decoupling data, UI, and CSS components into different modules for separation of concerns, improving maintainability by 10% and enabling scalable React components for code reuse
 - Translate high priority requirements of disruption management and pending payment with efficient turnaround time using Agile processes to integrate frontend logic with SDKs to orchestrate interactions with Java APIs
 - Reengineer the booking and payment flow accommodating a third-party payment API, enhancing user experience and simplifying the overall process
 - Restructure legacy code to enhance scalability, readability, and performance, delivering a 7% improvement in overall speed
 - **Tech stack:** React, React Native, TypeScript, SCSS, Bootstrap, MobX, Next.js, Nx, Node.js, SDK
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SOFTWARE ENGINEERING PROJECTS

STUDY.IO | Full Stack Software Engineer

Sep 2021 – Oct 2021

Social platform for users to connect and share learning objectives and goals

- Collaborated with a team of nine engineers using Agile development practices and git workflow to enhance productivity
- Developed a chatroom page UI with React and Material UI and utilized a RESTful API to PostgreSQL, performing create, read, update, and delete operations on user events and goals which enable users to sign up and save progression
- Implemented Google OAuth user authentication and form verification to allow users to sign up, join, and create chat rooms
- **Tech stack:** React, Material UI, Firebase, Google Oauth, Socket.io, Express, Node.js, PostgreSQL

CATWALK | Frontend Software Engineer

Sep 2021 - Oct 2021

Redesigned a retail clothing website with modern UI aesthetics

- Enhanced user experience to website by adding a “ratings and reviews” section with add, report, and sort functionality and incorporated a click tracking event to measure user-specific location click statistics
- Designed a multi-form modal feature for users to create reviews and rate product descriptions, which integrates with a RESTful backend server to render an average product rating
- Composed unit, integration, and end-to-end tests with jest, achieving 80% test coverage prior to deployment to AWS
- **Tech stack:** React, React Bootstrap, Express, Node.js, Jest

ATELIER PRODUCTS | Backend Software Engineer

Sept 2021 - Oct 2021

Back-end products microservice built to scale high volume traffic

- Acquired the products microservice and used Loader.io to load-test high traffic of over 1 million users, identifying bottlenecks and scaling to production with a throughput of 2000 requests per second (RPS)
 - Constructed a data warehouse by using an ETL process to migrate over 20 million product records into PostgreSQL
 - Optimized SQL query performance speed from 28 seconds to less than 25 milliseconds by implementing btree indexing
 - **Tech stack:** Docker, Express, Node.js, PostgreSQL, K6, Loader.io, Jest, NGINX
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EDUCATION

Hack Reactor | Los Angeles, CA

Sep 2021 – Dec 2021

Advanced Software Engineering Immersive Program

University of California, Riverside | Riverside, CA

Sep 2014 – Jun 2018

Bachelor of Science, Biology