

Matthew Nguyen

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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

Developer Tools | Git, NPM, Webpack, Babel, Scrum, Agile Methodology, TDD

PROFESSIONAL EXPERIENCE

777 Partners

Mar 2022 - present

Frontend Developer

- Developed Bonza Airline's Passenger Service System that is used by admins & travel agents to help book flights & manage bookings for thousands of Australian customers
 - Implemented layered architecture that separates data and business logic to improve maintainability and create modular, scalable React components for future reuse
 - Integrated internal SDK with backend API to modify or allow specific functionality of airline's inventory/departure control, reservation system within eCommerce platform.
 - Lead booking management & booking flow development process from concept to production while working alongside with business analysts, product managers, and developers
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SOFTWARE ENGINEERING PROJECTS

STUDY.IO | *Full Stack Software Engineer (React, MUI, Firebase, Google OAuth, Socket.io, Express, Node.js, PostgreSQL)*

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

- Utilized **Google Lighthouse** to optimize initial page performance score of 50 to an overall score of **90**
- Constructed chatroom page UI with **RESTful API** to **PostgreSQL**, performing CRUD operations for user events and goals
- Authenticated user sign up through **Google OAuth** & permitting users to join and create rooms with a form verification process

CATWALK | *Frontend Software Engineer (React, React Bootstrap, Express, Node.js, Jest)*

Redesigned a retail clothing website with modern UI aesthetics

- Enhanced "ratings and reviews" section with add, report, and sort features & incorporated a click tracking event to measure statistics of user-specific location clicks
- Designed a multi-form modal feature for users to create reviews and rate product descriptions that integrates with **RESTful** backend server to render an average product rating
- Composed **unit**, **integration**, and **end to end** tests with **jest** and achieved **80%** test coverage before deployment to **AWS**

ATELIER PRODUCTS | *Backend Software Engineer (Docker, Express, Node.js, PostgreSQL, K6, Loader.io, Jest, SuperTest, NGINX)*

Back-end products microservice built to scale high volume traffic

- Acquired products microservice & used **Loader.io** to stress test high traffic of +1 million users to identify bottlenecks to scale to production level with a **throughput** of **2000 RPS**
 - Utilized **ETL process** & migrated +20 million product records into PostgreSQL
 - Efficiently optimized **SQL** query performance speed from **28s** to **< 25ms** with **btree indexing**
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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