

Loh Jian Rong

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SKILLS

Programming: [JavaScript](#), [TypeScript](#), [Node.js](#), [Python](#), [Golang](#)

Frameworks: [React \(Next.js\)](#), [Express.js](#), [React Native](#), [Vue](#), [FastAPI](#), [Django](#), [Gorilla Mux](#)

Others: [Git](#), [Docker](#), [CI/CD](#), [Google Cloud Platform](#), [GraphQL](#), [Firebase](#), [Figma](#), [Docker](#), [Heroku](#), [Postman](#), [SQL \(PostgreSQL\)](#), [NoSQL \(MongoDB\)](#)

WORK EXPERIENCE

[99 Group](#) | Frontend Engineer Intern

Jan 2022 - Present

- Converted legacy adaptive components to a modern responsive web layout
 - Boosted organic performance by up to 9% week-on-week and up to 51% year-on-year
 - Core Web Vitals issues decreased from over 10000 to 0
 - URLs with Good CWVs increased from ~25% to ~90%
 - Reduced Mobile Usability Issues by 91%, from 1.5k invalid links to 131 in 3 months\
- Created [New Launch Directory](#), [New Launch Showflat Reviews](#), [New Launch Reviews Directory](#), [Calculators](#)
 - Organic search result for 'new launches' improved from 6th spot to 2nd spot
 - Organic search result for '{name} showflat review' took 1st spot
- Implemented unit and integration tests for important user interactions, ensuring no regressions in user experience
- Crafted concise documentation for niche engineering practices to streamline the onboarding process

PROJECTS

[Electron.js Contributor](#)

April 2022

Framework for creating desktop applications like Visual Studio Code and Figma

- Improved user interface of documentation for developers using JavaScript

[Crypto/NFT Watchlist](#) | [Github Repo](#)

April 2022

Watchlist for crypto and NFT enthusiasts to monitor their assets

- Used Server-Side Rendering in Next.js and TypeScript to improve Search Engine Optimization (SEO)
- Connected application to CoinGecko's Crypto API
- Stored user data on Redis for quick retrieval
- Deployed containerized application on Google Cloud Run

[Traceify](#) | [Github Repo](#)

September 2021

Web application for music lovers to monitor their music taste, TraceTogether-style

- Replicated components in TraceTogether application using React and Tailwind CSS
- Connected Express server with Spotify Web API using OAuth2.0 protocol

[DriveSG](#) | [Github Repo](#)

August 2021

Mobile quiz application for drivers-to-be to ace their theory tests

- Extracted text from over 800 images using Optical Character Recognition (Tesseract.js) to create JSON data for questions
- Managed backend on Firebase for easy retrieval and reusability for future extensibility

EDUCATION

BSc in Computing, Computer Science

Graduation Year 2026 (Expected)

National University of Singapore

- NUS Merit Scholarship Recipient