LOH JIAN RONG

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Education

National University of Singapore	Singapore
Bachelor of Computing in Computer Science	Aug 2022 - Present

- NUS Merit Scholarship Recipient

Experience

99 Group | Junior Software Engineer (Part-time Consultant)	Singapore
Offered position for accomplishing tasks at a high quality and speed	Aug 2022 - Present

99 Group | Frontend Engineer Intern	Singapore
Development on the SEO demand team for the consumer-facing 99.co property martketplace	Jan 2022 - Jul 2022

- Developed application components in an Agile environment, providing estimates, identifying potential blockers, recommending alternative solutions and collaborating with product managers, designers and other engineers
- Created a reusable (open-sourced on company's technical blog) React Hook from scratch to convert legacy adaptive components to a modern responsive web layout (**JavaScript, React, Redux**)
- Adopted Test-Driven Development for new features to ensure no regressions in user experience (**Jest, TDD**)
- Implemented automated process to ensure Pull Requests are semantic and follows company's convention (**GitHub Actions, YAML**)
- Developed New Launch Directory, New Launch Showflat Reviews, New Launch Reviews Directory, Calculators
- Crafted concise internal documentation for niche engineering practices to streamline onboarding processes
- Reduced Mobile Usability Issues by 100%, from **1.5k invalid links to 0 in 3 months**
- Eliminated Core Web Vitals issues, from over **10,400 to 0**
- Boosted organic performance by up to 9% week-on-week and up to **145% year-on-year**
- Improved organic search result for 'new launches' from **6th spot to 1st spot**

Projects

Electron.js Documentation Contributor	Apr 2022
Documentation for JavaScript framework used by Visual Studio Code and Figma	GitHub Repository

- Improved user interface of documentation for developers using JavaScript

Crypto/NFT Watchlist	Apr 2022
Watchlist for crypto and NFT enthusiasts to monitor their assets	GitHub Repository

- Optimised Search Engine performance through Server-Side Rendering (**Next.js, TypeScript, SEO**)
- Connected application to CoinGecko's Crypto API
- Stored user data on Redis for quick retrieval (**Upstash**)
- Deployed containerized application on Google Cloud Run (**Docker, Google Cloud Platform**)

Traceify	Sep 2021
Web application for music lovers to monitor their music taste, TraceTogether-style	GitHub Repository

- Replicated components in TraceTogether application (**React, TailwindCSS**)
- Connected server with Spotify Web API through OAuth2.0 protocol (**Express.js**)

DriveSG	Aug 2021
Mobile quiz application for drivers-to-be to ace their theory tests	GitHub Repository

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

Skills

Frameworks:	React (Next.js), Express.js, React Native, Jest, FastAPI, Django
Languages:	JavaScript, TypeScript, Python, Golang, Bash, YAML, SQL
Others:	PostgreSQL, MongoDB, Git, Docker, Google Cloud Platform, Postman, Redis, CI/CD Tools