Loh Jian Rong

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EDUCATION

National University of Singapore
Bachelor of Computing in Computer Science

Singapore
Aug 2022 - Present

- NUS Merit Scholarship Recipient

EXPERIENCE

99 Group
Junior Software Engineer (Part-time Consultant)

Singapore
Aug 2022 - Present

- Offered position for accomplishing tasks at a high quality and speed

99 Group
Frontend Engineer Intern

Singapore
Jan 2022 - Jul 2022

- Created a reusable React Hook from scratch to convert legacy adaptive components to a modern responsive web layout (**JavaScript, React, Redux**)
- 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**
- Presented technical proposal to VP & engineering team and received positive feedback from mentor
- Documentation is currently open sourced on company's tech blog
- Developed New Launch Directory, New Launch Showflat Reviews, New Launch Reviews Directory, Calculators
- Organic search result for 'new launches' improved from **6th spot to 1st spot**
- Adopted Test-Driven Development for new features to ensure no regressions in user experience (**Jest, TDD**)
- Implemented automated process to ensure that Pull Requests are semantic and follows company's convention (**GitHub Actions, YAML**)
- Crafted concise internal documentation for niche engineering practices to streamline the onboarding process

PROJECTS

Electron.js Documentation Contributor
Documentation for JavaScript framework used by Visual Studio Code and Figma

Apr 2022
GitHub Repository

- Improved user interface of documentation for developers using JavaScript

Crypto/NFT Watchlist
Watchlist for crypto and NFT enthusiasts to monitor their assets

Apr 2022
GitHub Repository

- Used Server-Side Rendering technique to improve Search Engine Optimization (**Next.js, TypeScript**)
- 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
Web application for music lovers to monitor their music taste, TraceTogether-style

Sep 2021
GitHub Repository

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

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

Aug 2021
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