Loh Jian Rong

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SKILLS

Programming: JavaScript (TypeScript), Node.js, Python, SQL (PostgreSQL), NoSQL (MongoDB)
Frameworks: React (Next.js), Express.js, React Native, Vue, FastAPI, Django
Others: Firebase, Figma, Docker, GraphQL, Git, Heroku, Postman, CI/CD (GitHub Actions), Google Cloud Platform

WORK EXPERIENCE

99 Group | Frontend Engineer Intern   **Jan 2022 - Present**
JavaScript, React, Redux, Bash Scripting, Node.js
- Converted legacy components to a responsive web layout
  - Boosted organic performance by up to 9% week-on-week
  - URLs with Good CWVs increased from ~25% to ~52%
  - Reduced Mobile Usability Issues by 87%, from 1.5k invalid links to 201 in 2 months
  - Improved Mobile Usability, Mobile Parity and Mobile Responsiveness
- Implemented unit and integration tests for important user interactions, ensuring no regressions in user experience
- Created New Launch Directory, New Launch Showflat Reviews and New Launch Reviews Directory
  - Organic search result for *'new launches'* improved from 6th spot to 2nd spot
  - Organic search result for *'{name} showflat review'* took 1st spot
- Crafted concise documentation for niche engineering practices, deepening understanding of complex components

PROJECTS

Crypto/NFT Watchlist | Github Repo   **April 2022**
TypeScript, Next.js, Upstash, Docker, Google Cloud Platform
- Used Next.js to server-side render pages
- Dockerized image before pushing it onto Google Cloud Run

URL Shortener | Frontend, Backend   **December 2021**
TypeScript, Next.js, Express, Node.js, Prisma, Heroku, MongoDB
- Served Static Pages using Next.js for fast load times
- Setup Express server on Heroku with Prisma ORM and MongoDB

Traceify | Github Repo   **September 2021**
React.js, Express, Node.js, Spotify Web API, Tailwind CSS, Netlify
- Styled React UI components using Tailwind CSS to look like TraceTogether application
- Set up Express server to communicate with Spotify Web API using OAuth2.0 protocol
- Photoshopped logo to integrate elements of TraceTogether and Spotify

DriveSG | Github Repo   **August 2021**
React Native, Firebase, Tesseract.js
- Implemented OCR from Tesseract.js to extract text from 800 images to create JSON data for questions
- Built UI components using React Native to allow users to enter answers
- Fetched questions from Cloud Firestore and loaded images from Cloud Storage

EDUCATION

BSc in Computing, Computer Science   **Graduation Year 2026 (Expected)**
National University of Singapore