



RICK KOH

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Specialized in web and software development with 5 years of experience freelancing and working in start-ups. A strong believer in communication and interpersonal skills, I have worked directly with clients to understand and deliver on their technology requirements. Comfortable in fast-paced environments and thrive when working as part of a team.

Education

NUS • Bachelor of Science (Honours) in Computer Science 2022 — Present
Software Engineering and Artificial Intelligence Track
Notable Courses: Software Engineering, Database Systems, Data Structures and Algorithms, AI and Machine Learning.

Skills

Languages: Typescript, HTML, CSS, Javascript, Java, Python, Dart, SQL.
Technologies: ReactJS, NextJS, NodeJS, ExpressJS, PostgreSQL, Bootstrap, Tailwind, Firebase, Supabase, AWS, Git, Vim.

Work Experience

Full-stack Developer - Beeware Pte Ltd Feb 2022 — Present
IT Solutions Company (Singapore)

- Designed, developed, and deployed custom web applications using NextJS, Tailwind, and PostgreSQL **for 5 clients**.
- Implemented server actions and a full backend application, enabling clients to manage website content seamlessly.
- Optimized performance by effectively structuring and implementing both client-side and server-side rendered pages, significantly enhancing load times and ensuring appropriate context delivery based on user context.
- Integrated Google Maps API and other third-party services, streamlining backend operations with external applications.
- Collaborated and implemented **over 10 design mock-ups** into fully functional, mobile-responsive web applications.
- Successfully optimized website SEO, resulting in **over 10,000 impressions** and achieving a peak CTR of 13%.

Software Engineer - Swirly Studios LLC Nov 2021 — Aug 2022
Communicative Language Learning Game (USA Remote)

- Collaborated closely with the Head of Engineering to develop a communicative language learning game.
- Enhanced language APIs by reducing cyclomatic complexity. Implemented Levenshtein distance algorithm.
- Independently developed a complete mini-game within the larger project, utilizing web components.
- Self-taught Dart. Demonstrated quick learning ability and adaptability in a dynamic development environment.
- Authored and deployed unit tests for more than 80% of existing codebase.

Software Engineer - Strikedeck a Medallia Company May 2018 — Apr 2019
Customer Success Platform (CRM) (USA)

- Led a QA Engineer team of 4 in developing and deploying automated test scripts for system failure detection.
- Co-managed a Linux server; implemented an alert system and created cron jobs for system monitoring.
- Actively participated in weekly scrums with the CTO, Engineering Manager, and Head of Product.
- Gained experience in agile development process within a start-up environment.
- Contributed to a team effort that culminated in the successful acquisition of the startup during my tenure.

Projects and Achievements

Hack4Good 24'	Developed a real-time AI powered analytics dashboard application, placed top 10 in NUS .
TikTok Hackathon 23'	Product ideation and development competition, placed top 12 in Singapore .
PitchIT 23'	Startup pitching and prototyping competition, placed first in NUS .
LetsMeetSoon	Developed and published a cloud-based web calendar application using NextJS and Firebase.
TikBlog	Developed a Component Registry component using Typescript following OOP principles.
EntertainMeme	Developed a mobile application in Java for users to swipe and save trending memes.

Interests

Filmmaking • Photography • Gaming • Music • Running • Hackathons • Learning