Jonathan Kong Boon Lieng

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WORK EXPERIENCE

SAP
Software Engineer Intern (Full-stack) — Oct 2023 - Mar 2024

- Drove the development of innovative prototype projects and products, harnessing generative AI and advanced tools like OpenAI, Vector DBs, and Langchain, in close collaboration with stakeholders.
- Leveraged Kubernetes (Kyma runtime) and Docker to streamline deployment and scalability, significantly boosting the project's operational efficiency and reliability.

Zendesk
Software Engineer Intern (Front-end) — Jan 2023 - July 2023

- Led the @types/react18 upgrade during the React-18 revamp, fixing >600 errors across >250 files. Spearheaded collaboration between >25 teams while taking charge of writing comprehensive documents for the types upgrade.
- Authored an ESLint rule for `useState()` lazy initialization, enhancing code quality and performance. Received public recognition on actual `facebook_react` repo.
- Established front-to-backend tracing using OpenTelemetry and Datadog, strengthening service observability.
- Managed customer escalations requiring deep analysis of core web performance metrics.

Circles.Life
Software Engineer Intern (Full-stack) — May 2022 - Nov 2022

- Spearheaded full-stack development for a web app which serves ~1500 participants for a live event done in collaboration with The Pokémon Company.
- Collaborated with software engineers, designers and product managers in a Scrum team to develop a first-to-market enterprise web application for eSIM card management.
- Implemented and owned features such an automated changelog, data grid and customer onboarding tool comprising backend APIs and client-facing user interface.
- Implemented end-to-end test scripts using Cypress, ensuring conformance to business requirements.

Singapore Armed Forces
Reconnaissance Platoon Leader (Regular) — Oct 2016 - Oct 2021

- Managed the welfare, discipline, training and morale of a company size of 130 soldiers.
- Organized critical events for the Army, such as National Day Parade and various overseas exercises.

PROJECTS

SubiRegex.com *NextJS, GPT-4* — https://www.subiregex.com/
Generate RegEx using plain English.

Agent-Debate *NextJS, Flask, Langchain* — https://github.com/legendkong/agent-debate-v4
Automated consultancy via AI agents.

City of Life *JavaScript, Html, Css, Unity (C#)* — https://github.com/legendkong/CityOfLife
Visualise your portfolio's ESG ratings through a real-world city simulation.

EDUCATION

University of Wollongong — Singapore
Bachelor of Computer Science, Major in Big Data — Sept 2021 - June 2024

National University of Singapore — Singapore
Professional Certificate in Financial Technology — Jan 2022 - Apr 2022

HACKATHONS & COMPETITIONS

Goldman Sachs GS ENGage 2021 - First Place — Goldman Sachs
Led a team to develop a web app to raise the public awareness of Sustainable Investment. — Apr 2022

SKILLS

Skills:	Versatile full-stack engineer. See github for more information.
LinkedIn:	https://www.linkedin.com/in/jonathan-kong-boon-lieng/
Github:	https://github.com/legendkong
Publications:	https://medium.com/@legendKong