

JONATHAN KONG BOON LIENG

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WORK EXPERIENCE

Zendesk

Software Engineer Intern (Front-end)

Jan 2023 - July 2023

- Co-led the upgrade of @types/react18 as part of the React-18 upgrade effort, modifying >250 files, and addressing >600 errors across the entire front-end repository via codemod and manual scripts.
- Took charge of writing comprehensive documentation to facilitate the types upgrade, spearheading collaboration between >25 different teams.
- Authored an ESLint rule to enforce lazy initialisation for `useState()`, effectively improving code quality and performance. Thereafter proposed the rule within the `facebook_react` repo, which received positive feedback from the public.
- Instrumented front-to-backend tracing across different services using OpenTelemetry and Datadog, as part of the company's effort to strengthen observability.
- Implemented core test scenarios and improved internal test tools, leading to increased efficiency in testing processes.
- Resolved and assisted with customer escalations, which often requires in-depth technical analysis of core web performance metrics, such as FCP, FID, etc.

Circles.Life

Software Engineer Intern (Full-stack)

May 2022 - Nov 2022

- Spearheaded full-stack development (NextJS-supabase) for a web app which serves ~1500 participants for a live event done in collaboration with The Pokémon Company.
- Collaborated with software engineers, UI/UX designers and project managers in a Scrum team to develop a first-to-market enterprise web application for eSIM card management.
- Implemented and owned features such as an automated changelog, data grid and customer onboarding tool comprising backend APIs and client-facing user interface.
- Designed and built a landing page for the above product using Figma, NextJS and WPEngine.
- Implemented end-to-end test scripts using Cypress to ensure quality 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, Army Half Marathon and various overseas exercises.

PROJECTS

SubiRegex.com *NextJS, GPT-4*

<https://www.subiregex.com/>

Generate RegEx using plain English.

Dare To Roam (Pokémon x Circles.Life) *NextJS, PostgreSQL, AWS*

<https://daretoroam.circles.life/>

A mobile web application that serves as a companion tool for ~1500 users for a live event.

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.

Issho *ReactJS, Socket.io, MongoDB*

<https://github.com/legendkong/isscho>

Isscho is a collaboration tool which works similar to google docs + notion.

EDUCATION

University of Wollongong

Singapore

Bachelor of Computer Science *GPA: 4.1*

Sept 2021 - June 2024

National University of Singapore

Singapore

Professional Certificate in Financial Technology

Jan 2022 - Apr 2022

Singapore Polytechnic

Singapore

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

Shopee Code League 2022 - Qualifier

Shopee

Participated in the annual Shopee coding challenge to solve challenging algorithmic puzzles.

Mar 2022

Meta Global Hackathon 2022 - Participant

Meta

Participated in Meta's global hackathon to solve algorithmic challenges and bring new ideas to life.

Sep 2022

SKILLS

Programming languages & libraries:	JavaScript, html, css, TypeScript, ReactJS, NextJS, SQL, noSQL, Java
Interests:	Pokemon cards, Weight Lifting, Stocks, Cryptocurrencies
Website:	https://legendkong.github.io/
Github:	https://github.com/legendkong
Publications:	https://medium.com/@legendKong