

chan jun ren

🇸🇬 singapore | 📞 +65 9230 1048 | [in linkedIn](#) | [✉ chanjunren@gmail.com](#)
[🌐 https://github.com/chanjunren](#) | [🌐 https://chanjunren.github.io](#)

Experience

OKX

Software Engineer II
Software Engineer I

May.2024 - Present
Jun.2022 - May.2024

- Spearheaded development of scalable and performant APIs, managed entire lifecycle from system requirements gathering, architecture design to implementation, testing, and deployment using **Java**, **Spring Boot**, **Redis**, **Kafka**, and **Elasticsearch**
- Developed internal systems and tooling with **React**, **MobX**, and **TypeScript**
- Elevated system observability by implementing tooling integrated with **Grafana** and **Prometheus**, enabling real-time analysis of hot Redis keys, optimizing resource utilization, and proactively identifying bottlenecks
- Designed and developed a rule engine, automating workflows and replacing ad-hoc jobs with a reusable and flexible system. Enabled rapid configuration for tasks like offboarding non-compliant users, significantly reducing manual effort and improving turnaround times across multiple business scenarios
- Contributed to the deployment and optimization of **Apache Flink** applications, enhancing event-streaming architecture and enabling faster synchronization between live flows and the data warehouse
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Robosolutions

Software Engineer
Software Engineer Intern

Aug.2021 - Feb.2022
Jan.2021 - Jun.2021

- Developed [www.robosolutions.sg](#) using the **MERN** stack - a company website with an app management portal to manage the subscriptions of the applications developed by Robosolutions
- Automated deployment pipelines, deploying projects seamlessly to Heroku for production readiness.
- Engineered [TemiPatrol](#) and [TemiConcierge](#), **Android** applications built with **Java** and the Temi SDK to extend capabilities of the Temi robot to ensure compliance with post-COVID safety regulations and provide concierge services
- Assisted with deployment strategies and conducted testing for production readiness

Education

B.Comp in Computer Science

National University of Singapore

Aug.2018 - May.2022

- GPA: 4.0 / 5.0 (2nd Upper Honours)
- Relevant coursework and focus areas:
 - Software Engineering: Formal Methods for Software Engineering, Independent SoftwareDevelopment
 - Networking: Networking: Computer Networks Practice, Introduction to IoT, Internet Architecture, Wireless Networking

Projects

Digital garden

Jan.2022 - Present

- Personal portfolio and note management system using **React** and **Docusaurus** to showcase projects and organize notes

Vaultusaurus

Aug.2024 - Present

- Docusaurus plugin inspired by **Obsidian's graph view**, visualizing document relationships within a knowledge base.
- Utilized **React**, **TypeScript**, **MDAST**, and **UNIST** libraries to scan and parse an Obsidian vault, dynamically rendering an interactive graph that allows users to explore document connections through tags and links

Skills

java | groovy | spock | mockito | redis | kafka | elasticsearch | mysql | apache camel | apache flink | spring | spring boot | prometheus | grafana | micrometer | maven | javascript | typescript | node | express | react | git | mobx | mongodb | microservices | distributed systems | frontend | backend | full-stack

Others

- **(2024 & 2023) X-Ponential Award**: Awarded by OKX to fresh graduates (Supernovas) for demonstrating exponential growth in a short period, delivering exceptional results, and showcasing remarkable potential for greater performance
- **(2022): Half Colours Award**: Awarded by NUS Sports Club for Outstanding Contributions