

CHAN JUN REN

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🌐 [linkedin](#) | 🐙 [github](#) | 🌐 [portfolio](#)

Experience

OKX

Software Engineer II
Software Engineer I

May 2024 - Present
Jun 2022 - May 2024

- Led the end-to-end development of scalable and high-performance APIs, including system requirements gathering, architecture design, implementation, testing, and deployment, utilizing **Java**, **Spring Boot**, **Redis**, **Kafka** and **Elasticsearch**
- Developed internal systems and tooling with **React**, **MobX** and **TypeScript**
- Enhanced system observability by developing components with **Micrometer** and **AspectJ**, integrating with **Grafana** and **Prometheus** to enable real-time monitoring of hot Redis keys, optimize resource utilization, and proactively identify bottlenecks
- Designed and implemented a rules engine to automate workflows, transforming tasks that previously required days of development, testing, and verification into configurable jobs that can be set up in minutes and executed immediately
- Deployed and optimized **Apache Flink** applications, enhanced event-streaming architecture and enabled quicker synchronization between live flows and 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, company's website and integrated portal to manage customer subscriptions of RoboSolutions applications, using **MERN** stack
- Automated deployment pipelines, deployed projects seamlessly to production via Heroku
- Engineered [TemiPatrol](#) and [TemiConcierge](#), **Android** mobile applications built with **Java** and **Temi SDK**, to extend capabilities of Temi robot in compliance with post-COVID safety regulations and to provide concierge services
- Assisted with deployment strategies and conducted production readiness testing

Education

National University of Singapore

B.Comp in Computer Science

Aug 2018 - May 2022

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

Personal Projects

Digital Garden

Jan 2022 - Present

- Personal project portfolio and note organization system built with **React** and **Docusaurus**

Vaultusaurus

Aug 2024 - Present

- Docusaurus plugin inspired by **Obsidian's graph view**, to visualize document relationships within a knowledge base
- Utilized **React**, **TypeScript**, **MDS**, and **UNIST** libraries to scan and parse an Obsidian vault, and dynamically render interactive graphs 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

Awards

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