

GOH WEI TAI JONAS

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EDUCATION

National University of Singapore

Aug 2021 - May 2025

Bachelor of Computing (Honours) in Computer Science

Cumulative Average Point: 4.5 / 5.0

Dean's List AY23/24 Sem 2

Relevant Coursework: Software Engineering, Database Systems, Computer Security, Operating Systems, Data Structures & Algorithms, AI & Machine Learning, Penetration Testing, Natural Language Processing, Formal Methods of Software Engineering, Distributed Systems

SKILLS

Programming Languages: Java, JavaScript, TypeScript, C, Python, SQL, HTML, CSS, Ruby, Erlang, Go

Frameworks/Libraries/Tools: Django, Docker, React, Jest, Webpack, React Native, Expo, Firebase, Azure, Figma, Hanami, Angular, Spring Boot

WORK EXPERIENCE

Software Engineer, Shopee

Jul 2025 – Present

Backend, Data Infrastructure, Data Gateway

- Maintained a high-throughput data gateway (~10k QPS) built on Java Spring Boot, serving as a central entry point for API requests across data infrastructure services, enabling secure data egress and request routing to multiple systems including Presto/Trino, ClickHouse, Elasticsearch, StarRocks, and HBase
- Supported API-based data extraction, authentication, audit logging, and enforced traffic and export limits to ensure compliant, reliable, and stable data access under high concurrency
- Redesigned observability pipelines by migrating from Elasticsearch-based tracing and metrics to a distributed tracing architecture backed by Prometheus and ClickHouse, resulting in a sharp reduction in user-facing API dashboard load times and improved performance visibility
- Collaborated cross-functionally to diagnose production issues and guided users on optimal data extraction strategies, including leveraging OLAP speedup paths such as StarRocks materialised views to accelerate queries

Software Engineering Intern, Ascenda

May 2024 – Aug 2024

Full Stack, Admin Panel Team

- Developed and optimised both frontend (Angular, TypeScript) and backend (Hanami, Ruby) systems, enhancing code quality and project efficiency for faster delivery
- Took the initiative to design and implement a UI component for message queues, enabling efficient backend integration and data processing to enhance user experience and reduce load times
- Contributed to projects like Headless Points Bank and Kafka UX, collaborating closely with product and design teams to deliver robust, scalable solutions across frontend and backend
- Led discussions with engineers to identify and implement solutions for reducing load times, enhancing performance and user experience within an Agile environment

Software Engineering Intern, foodpanda, APAC

May 2023 – Aug 2023

Frontend, Fintech Domain, Wallet Experience Squad

- Enhanced user experience and engagement by deploying marketing banners on the pandapay wallet homepage in collaboration with key stakeholders
- Led the development and improvement of back-office applications, streamlining campaign oversight and payment processes across 11+ global markets
- Resolved functional issues and bugs on pandapay homepage, ensuring smooth user interactions
- Contributed to Agile workflow through consistent updates, rigorous testing, and seamless deployments in APAC and European regions

PROJECTS

Full Stack Developer, ChargeEV

May 2022 - Jul 2022

- Developed a mobile application allowing users to loan out or rent EV charging stations
- Enabled users to locate available chargers in remote locations where public chargers are not available
- Built with Expo CLI (React Native), Firebase and various APIs in the Google Cloud Platform

Lead Developer, Inventory Management System (IMS)

Apr 2021 - Present

- Led a team of >5 developers to develop a web application which automates tracking of first aid stocks, optimises stock levels, and improves user experience
- Streamlined processes of loaning, returning and restocking first aid items for ~100 users
- Developed backend with Django REST API, frontend with React, Nginx as reverse proxy and containerised with Docker and deployed with AWS EC2

AWARDS

Special Prize, SPIRITCYBER-22

19 - 20 Dec 2022

- Capture The Flag (CTF) organised by NTU in conjunction with CSA Singapore
- Won a special prize for the highest score on Day 1