SEE TOH JIN WEI

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WORK EXPERIENCE

Backend Engineer Intern (Cloud Infrastructure), TikTok   **Jan 2024 to Present**
- Maintained the custom API gateway service for the internal cloud infrastructure APIs.
- Maintained the custom authentication service for the internal cloud infrastructure.

Skills: Go, Cloud Infrastructure

Full Stack Engineer Intern (Risk), Cinch   **Feb 2023 to Aug 2023**
- Primarily developed and maintained several backend microservices which are responsible for different areas of the business workflow (orders, assets, data, logging).
- Integrated internal backend services with Samsung Knox Guard and other 3rd party services (Stripe, DataCultr, Slack) for automated risk management workflows.
- Developed and upgraded multiple frontend dashboards for internal super-admin use.
- Utilised various AWS services (Lambda, ECS, API Gateway, EventBridge) and set-up CI / CD deployments.

Skills: Python, FastAPI, TypeScript, Next.js, React, AWS, MySQL, DevOps

Undergraduate Tutor, National University of Singapore   **Various Semesters**
- CS2103T Software Engineering (Fall 2023): Tutored 10 students, conducted weekly tutorials.
- CS2040S Data Structures and Algorithms (Spring 2023): Tutored 15 students, conducted weekly tutorials, graded weekly problem sets, assisted in preparation of teaching materials.

EDUCATION

National University of Singapore   **Aug 2021 to Dec 2024**
- Bachelor of Computing in Computer Science (Focus Areas in Database Systems and Parallel Computing)
- Grade Point Average: 4.75 / 5.00

PROJECTS

OrgaNiUS (Tech Stack: React, Go, MongoDB, Docker)
- Central hub for forming, planning, and organising group work.
- Live Application: https://organius.jinwei.dev; Repository: https://github.com/OrgaNiUS/OrgaNiUS/

WATcher (Tech Stack: Angular, TypeScript)
- Open-source project under the NUS-OSS initiative, to monitor software projects in a visual way.
- I made several contributions, which mainly comprised of improving the data fetching service, and user interface to provide a smoother user experience.
- Repository: https://github.com/catcher-org/WATcher

RepoStats (Tech Stack: Go, PostgreSQL, Svelte, TypeScript)
- Web application to view summary of a GitHub repository's statistics.
- Live Application: https://repostats.jinwei.dev; Repository: https://github.com/seetohjinwei/repostats/

My other projects can be found at: https://jinwei.dev/projects.

SKILLS

Programming Languages and Related
- Go | Python | C++ | TypeScript / JavaScript | SQL (PostgreSQL, MySQL, CitusDB) | NoSQL (MongoDB, Cassandra) | Linux Shell (Bash) | Java

Libraries, Frameworks and Tools
- FastAPI | Git / GitHub | AWS | React | Next.js | Pandas | Angular | GitHub Actions | Docker