

Marius Andrian Tjandrawinarto

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SKILLS

- **Languages:** Golang, Kotlin, Java, Python, Typescript
- **Frameworks and Libraries:** Spring Boot, JPA, Kafka Streams, Flutter, React
- **Technologies:** Docker, Kubernetes, Terraform, Gitlab CI, AWS, Google Cloud, Kafka, Gradle, Linux, Postgres, MySQL
- **Others:** TDD, JIRA, Agile

WORK EXPERIENCE

Backend Engineer, *Eigen Energy*

Dec 23 – May 25

- Designed features for a distributed system that connects electric vehicles (EVs), chargers, user-facing mobile apps and dashboards across Singapore and Thailand. Used Golang, Kotlin (Spring Boot) and Kafka Streams to ensure low latency, high availability, and high consistency.
- Spearheaded integration of Firebase notifications in the backend for iOS and Android mobile apps from proof of concept, implementation, testing, to deployment.
- Rewrote a C# codebase in Kotlin, maintaining its core functionalities and optimized its performance.
- Responsible for managing deployment to production using Gitlab CI, Terraform and Kubernetes and ensured service availability using observability tools such as Google Kubernetes Logs and Grafana.
- Mentored peers on Golang and performed code reviews to ensure clean and maintainable code.
- Collaborated with front-end developers in designing new APIs to ensure a smooth development cycle.
- Proactively investigate unreported bugs in the system, debugging and proposing new fixes for them.
- Quickly learnt new technologies (eg. Kotlin and Kafka Streams) and shipped multiple features within 1 month.

Fullstack Engineer, *Qavar*

Feb 21 – Dec 23

- Led the full-stack development of a clinic management system which allows staff to manage patient movement and to assess customer experience metrics.
 - Developed back-end using Golang, PostgreSQL and Docker to integrate seamlessly with client's existing API. Managed deployment to AWS EC2 using UNIX shell scripts.
 - Designed a mobile-responsive platform using Angular which allows instant check-in through scanning QR code. The platform includes a dashboard that enables patient state management, queue advancement and access to patient health records.
- Built a multi-tenant phishing platform with a subscription and payment engine in two months using Golang and Typescript. Platform is integrated with Stripe API payment gateway to allow customers to subscribe to the platform and use credit cards to pay.
- Created an automation script using Python and Google Tesseract OCR that extracts text and images from 800 images and transforms them into JSON which cut development time by over 26 hours.
- Produced a bot using Golang that scrapes news sources, filters by user-defined parameters and sends well formatted and relevant news to 30 different telegram groups for user consumption.
 - Cron jobs are created to pull and sort sources and to distribute news to appropriate channels.
- Pioneered automated end-to-end testing using Cypress that reduces regression testing time from two hours to a few minutes. Wrote bash scripts to seed database with test data to ensure reproducibility.
- Developed features in Linux and managed deployment to AWS EC2 using shell scripts.

EDUCATION

General Assembly

Apr 20 – Sep 20

Software Engineering Immersive

National University of Singapore

Aug 13 - Jun 17

Bachelor's Degree in Biomedical Engineering with Honours