ATSAWA CHAKHONMETTAKUL

Software Engineer | Backend / Full-Stack | Thailand | Remote | 066-154-6194 | atsawa.c@gmail.com | LinkedIn: linkedin.com/in/atsawa | GitHub: github.com/Mrf-LuckyBoy

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of professional experience building high-performance backend and full-stack systems using Go (Fiber), TypeScript (Bun/ElysiaJS), and Node.js. Experienced in green-field development, legacy system modernization, and CI/CD-driven deployments. Strong background in database design, caching, and object storage, with hands-on experience supporting web and mobile applications in production environments.

TECHNICAL SKILLS

Languages:	Dart, Python, JavaScript (Node.js, Bun), Go, SQL, TypeScript
Frameworks:	Flutter, Express, Fiber (Go), ElysiaJS, Fastify
Cloud / DevOps:	Docker, Linux, GitHub Actions
Databases:	MariaDB, MySQL, Redis, MongoDB, PostgreSQL

PROFESSIONAL EXPERIENCE

Software Engineer — *Internet Thailand Public Company Limited* **Sep 2023 – Present**

- **Backend Modernization & Green-Field Development**: Built green-field backend services using Go (Fiber) and Bun/ElysiaJS, reducing API response time by ~30–60%
- **Database and Storage Management**: Managed diverse data requirements by implementing solutions across **MongoDB**, **MariaDB**, and leveraging **Redis** for caching strategies, alongside **MinIO** for scalable object storage.
- **Legacy System Optimization**: Successfully maintained and optimized critical performance issues within existing systems using **Node.js/Express**, maintained 99.9% uptime for main services and reliability for legacy applications.
- **Mobile Versatility**: Contributed to Flutter mobile codebase, gaining cross-platform mobile development experience alongside primary backend responsibilities.
- **Technical Standard Setting**: Defined and implemented core coding standards and project structures for new services in Go and TypeScript/Bun, ensuring code quality and maintainability across the team.

Cooperative Education Student — *Western Digital* **Nov 2022 – Feb 2023**

- **Full-Stack Analysis Platform**: Architected a **RESTful API** backend (Python) connecting a **Vue.js** frontend with **ElasticSearch storage**. The system visualized complex "Pretorque" data for production line monitoring.
- **Machine Learning Integration**: Implemented statistical modeling using **Scikit-learn** (specifically **Kernel Density Estimation/KDE**) to preprocess production data and detect anomalies, directly supporting maintenance decisions.
- **Infrastructure & Simulation**: Utilized **Docker** to containerize and simulate production line databases, enabling reliable offline development and testing of data queries before deployment.
- **Hybrid Tooling**: Developed a desktop interface (C#) to bridge local image processing (Python executables) with the central web platform, streamlining the workflow for manual image inspection.

EDUCATION

B.S. Computer Science — *Naresuan University* **2019-2023**

GPA: 3.16

PROJECTS

- **EmailCollectMembership**: Built an automated email reminder service with a Fastify REST API, Prisma/PostgreSQL, and node-cron scheduling. Includes Telegram notifications, Dockerized deployment, and CI/CD via GitHub Actions. (TypeScript)
  (github.com/Mrf-LuckyBoy/EmailCollectMembership)