

Rayer Tung 佟志剛
Software Engineer/Manager

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Seasoned software engineering manager with 7+ years of production Golang expertise and 14+ years of backend systems experience. Proven track record in leading high-performance trading systems, AI adoption, and cloud-native infrastructure. Excel at turning around critical projects, designing scalable SDKs and settlement engines, and driving cross-functional teams to deliver measurable business impact.

Experience

Section Manager, TSMC

Taipei City & Hsinchu City

Aug 2024 - now

Semiconductor Fabrication Plant: Manufacturing Software Development and Operations

- Led DevOps team in developing high-performance Java + Golang applications for semiconductor manufacturing
- Designed monitoring, predictive alarming, and AI-assisted tools, significantly reducing manual operations
- Organized internal AI Kickstart workshops to accelerate

Technical Consultant (Contract)

Fusang

Kuala Lumpur (Remote)

Feb 2024 - Jul 2024

Parachuted in as technical firefighter for critical trading systems.

- Trading module development in Rust, compiled into WASM.
- Contract settlement and clearinghouse engine development.

Staff Software Engineer, Binance

Taipei City (Remote)

Aug 2022 - Jan 2024

Themis AB Test Framework Development

- The core AB Test module architecture was designed and revised. Compared to the Go/Python version, the Go/Rust hybrid module exhibited a 62% increase in velocity.
- The product SDK was developed from scratch, significantly enhancing the appeal of our products to the Business Unit team.

Staff Software Engineer, Appier

Taipei City

Feb 2021 - Jul 2022

Collaborated with Data Scientists and Engineers to develop Appier's core recommendation and MLOps initiatives.

- Infrastructure Migration: Participate DNA (Dynamic Native Ad) migration from AWS Lambda to GCP Kubernetes resulted in a 65% reduction in OPEX.
- MLOps and Model API: The team collaborated with Data Scientists to facilitate the daily training pipeline and model delivery.

Team Lead (MCDS), Innova

Solutions

Taipei City & St. Louis

Jul 2017 - Feb 2021

Lead technical team in Taiwan to collaborate with teams in St. Louis.

- Lead a technical team in size of 12 person.
- Medical insurance software development.

(Earlier roles 2010–2021 at Ruckus Wireless, Wozai, Spring House Entertainment, and Gamania are available upon request. Total 14+ years of backend and systems experience.)

Skills

- Languages: Golang (expert), Python, Rust, Java/Spring, C/C++
- Cloud & Infra: Kubernetes, Helm, Argo, Docker, AWS (Lambda, SQS, VPC, ELB), GCP, Terraform
- Observability: Grafana, Prometheus
- Other: API Design & Architecture, SDK Development, CI/CD, Linux, Cross-platform Engineering, MLOps, AI Model Serving