PURITAT CHAMART
Software Engineer

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ABOUT ME

5 years+ Forward-thinking software engineer skilled in **backend** development and cloud **infrastructure**. I build resilient micro-services with clean, scalable , delivering fast solutions that drive business growth. I am currently seeking opportunities as a **Mid-to-Senior Backend Engineer** or **Software Architect**, where I can contribute to high-performance distributed systems and technical leadership.

EXPERIENCE

Zero Friction Co., Ltd.   Bangkok, Thailand (Hybrid)
Software Engineer   May 2024 - Present (1 year 8 months)

- **Owned architecture decisions** across multiple services, ensuring performance at scale through proactive **edge-case analysis** and **bottleneck/root-cause resolution**.
- Built and maintained **Go-based modular micro-services** with flexible inter-service communication using REST, **gRPC**, **Kafka**, and Webhook.
- Built **real-time applications** such as chat systems, live auctions, **live location tracking**, and notification pipelines using SSE, **WebSocket,** and **Redis-Pub/sub**.
- **Architected,** coded, and maintained advertisement delivery system **handling 3,000+ req/sec**, supporting **~260M requests/day** at peak load.
- Built a **real-time bidding engine** with Redis caching and **RabbitMQ background workers**, enabling accurate decisions and daily financial reconciliation.
- **Integrated multiple** external services including financial platforms (FlowAccount), payment gateways (Xendit), Firebase Cloud Messaging, and other **third-party protocols, rapidly delivering POCs** with clean, scalable engineering to expand system capabilities.
- Configured and maintained infrastructure on **Ubuntu and Red Hat** environments within Virtuozzo cloud, managing **API Gateway** (Apache APISIX), **Nginx** load balancing.
- **Led a backend squad of 5–7 engineers** across multiple services, providing technical guidance and contributing directly to successful delivery.

Swift Dynamics Co., Ltd.   Bangkok, Thailand (On-site)
Backend Developer   Nov 2022 - May 2024 (1 year 7 months)

- Developed, integrated, and optimized backend services using Python, Go, and NodeJS.
- Reverse-engineered legacy recursive logic with custom data structures and hash-based algorithms, dramatically **improving performance (4 hours ➔ ~10 seconds)**.
- Built scheduling capabilities (Microsoft Project–like), handling complex calculation logic including S-curve forecasting, with high-performance processing that supports **importing and exporting project plans spanning 10+ years from MS Project**.
- Built a **real-time IoT** metrics system for **AOT (Airport of Thailand)**, integrating MQTT sensor data and **sustaining 2,500+ req/sec** at peak load, with **full-stack** ownership to deliver live usage analytics**, automated alerts,** and scheduled reporting.
- Supported the tech lead in configuring **AWS infrastructure** including S3, **EC2** and ECS.

Synergetech Co., Ltd.
Automation System Engineer

Nonthaburi, Thailand (On-site)
Jul 2016 - Jan 2022 (5 years 7 months)

- Designed, developed, and delivered industrial automation projects specializing in batch control systems. Proficient in PLC, SCADA, MES programming, database integration, and implementing various integrations using preferred protocols.
- Built **web applications** to monitor and manage production storage systems for Lion Corp, integrating PLC and SCADA data into SQL Server for improved operational visibility.
- Developed automated pigging control systems for Colgate-Palmolive Thailand while **bridging OT and IT domains** – connecting Schneider/Rockwell PLCs with Wonderware SCADA and enterprise information systems.
- Designed and delivered a complete control system for Siam Modified Starch from the ground up – covering low-level sensor/actuator communication, low-voltage control panels, PLC automation, Wonderware ArchestrA SCADA, **database management,** fiber-optic networking across buildings, and self-hosted VMware **vSphere/ESXi server** infrastructure.

EDUCATION

King Mongkut's Institute of Technology Ladkrabang
Bachelor's degree, Automation Engineering

Bangkok, Thailand
2012 - 2016

- Integrated industrial automation devices with information systems for improved monitoring and data flow.
- Developed a **solar cell health monitoring** solution using **Raspberry Pi** (Python) and Arduino with Zigbee communication between distributed nodes.
- Built a **web-based monitoring and control application** (PHP, HTML, CSS, JavaScript, jQuery) without using a framework, demonstrating strong foundational understanding of full-stack development.

SKILLS

Python, **Go** ,TypeScript, JavaScript, ShellScript, **Fiber**, Express, NestJS, Django, FastAPI, **React**, VMware, **Docker**, CI/CD, AWS (EC2, ECS, S3), Virtuozzo, Vercel, Render, Nginx, APISIX, **Linux**, TCP/IP, **REST**, gRPC, GraphQL, WebHook, **WebSocket**, SSE, **AMQP (RabbitMQ)**, **Kafka**, **PostgreSQL**, MySQL, SQLServer, **MongoDB**, InfluxDB, **Redis,** Firebase, PLC, SCADA, ModbusTCP, Profibus, ProfiNet, CIP

SOFT SKILLS

- **High empathy** and emotional composure, able to support teammates and maintain **calm in high-pressure** or challenging situations.
- Collaborative **quick learning**.
- **Strong analytical reasoning with a "hacker mindset"** to identify edge cases, risk factors, and innovative solutions.
- Skilled in **communication with diverse stakeholders**, bridging technical gaps, and supporting teammates.