

Luu Nguyen

SOFTWARE ENGINEERING LEAD · FINTECH ARCHITECT

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PROFILE

9+ years driving system architecture and technical direction across mission-critical fintech platforms. Currently shaping the long-term engineering strategy of the SOF Platform at MoMo — Vietnam’s largest super-app.

EXPERIENCE

Software Engineering Lead Apr 2022 – Present
M_Service JSC (MoMo) Ho Chi Minh City

- Defined and owned the end-to-end architecture of 3 core backend platforms, setting long-term engineering standards across teams.
- Designed reactive, high-throughput systems (Vert.x, gRPC) processing millions of daily financial transactions.
- Led a cross-team migration to Java 21 and Quarkus 3 with native compilation, cutting resource overhead and operational cost.
- Led engineering squads and established org-wide observability (OpenTelemetry, Prometheus, Pyroscope) and resilience patterns for 99.99% availability.

Software Engineer Jan 2020 – Mar 2022
M_Service JSC (MoMo) Ho Chi Minh City

- Owned core payment services end-to-end, driving reliability, performance, and resilience improvements.
- Built and operated event-driven microservices; strengthened CI/CD pipelines and production resilience.

Software Engineer Jun – Dec 2019
Homa Technologies JSC Ho Chi Minh City

- Developed event-driven microservices on AWS for smart-home IoT systems.

Java Developer Aug 2017 – May 2019
M_Service JSC (MoMo) Ho Chi Minh City

- Integrated bank core services and payment gateways.

Embedded Software Engineer Jan 2016 – Jul 2017
Global CyberSoft (Vietnam) JSC Ho Chi Minh City

- Engineered Unix-based embedded software for IoT and CCTV.

TECHNICAL SKILLS

Languages & Frameworks	Java 21/11, Quarkus 3, Vert.x 4, Spring Boot, gRPC
Data & Streaming	Apache Kafka, RabbitMQ, Redis, MySQL, Oracle, Cassandra
Observability	OpenTelemetry, Prometheus, Grafana, Zipkin, Pyroscope, Splunk
Infrastructure	Kubernetes, Docker, AWS, Linux, JIB, Jenkins
Security & Resilience	PGP, Bouncy Castle, JWT, Resilience4j, Circuit Breaker

EDUCATION

B.Sc. Computer Science 2011 – 2015
University of Information Technology Ho Chi Minh City