

# HONG LING

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Location: Zhongshan, Guangdong · Title Target: Solution Architect · Experience: 10+ yrs Backend

## PROFESSIONAL SUMMARY

10+ years of Java-based distributed systems engineering & architecture, with the last 2 years focused on cross-border payments and financial messaging. Skilled at large-scale SaaS architecture, cloud-native delivery and technical governance; led a platform processing 10+ million transactions/day, improving key metrics by over 30%.

## EDUCATION

<b>Beihang University</b> , M.S. in Computer Science and Technology	Sep 2013 – Apr 2016
<b>Central South University</b> , B.Eng. in Software Engineering	Sep 2009 – Jun 2013

## CORE SKILLS

- **Languages/Scripts:** Java 8–17 · Go · Shell · Python
- **Frameworks:** Spring Boot/Cloud · MyBatis · Dubbo
- **Middleware:** Kafka · RocketMQ · Redis · IBM MQ
- **Databases:** MySQL · OceanBase · HBase
- **Cloud-Native:** Docker · Kubernetes (ACK/K3s)
- **Architectural Practices:** Distributed Systems · DDD · TDD · CI/CD
- **Data Intelligence:** ODPS · XGBoost · Apache Blink
- **Security & Compliance:** PCI DSS · IPsec VPN · MLPS (Level 3)

## EMPLOYMENT HISTORY

**Gecko Technology Co., Ltd.** (Cross-border Payment SaaS, Series A) May 2024 – Present  
Tech Lead — in charge of technology planning and delivery for Cross-border Messaging and Unified Cashier platforms.

**Alipay (Hangzhou) Information & Technology Co., Ltd.** Jul 2020 – Mar 2023  
Senior Software Engineer — owned three core services: Card Wallet, Membership Graph and Intelligent Decisioning.

**Beijing Didi Infinity Technology Co., Ltd.** Apr 2016 – Jul 2020  
Backend Engineer — focused on security-domain services and risk-control platforms.

## SELECTED PROJECTS

**Cross-border Messaging SaaS Platform** — Product & R&D Lead May 2024 – Present  
Fully SWIFT-compatible messaging platform serving banks in China, Russia, Cuba, etc.

**Stack:** Java 17 · Spring Boot 3.2 · MySQL 8 · Redis · IBM MQ · Docker · Kubernetes

- **Multi-tenant core engine:** led domain modeling and event-driven architecture; dual Agent / Agent-less integration serving 6 major banks, 10+ regional banks and 100+ corporates.
- **Schema-driven client:** defined JSON Schema for message UI; zero-code onboarding in < 1 h.
- **Bank gateway:** FTP/MQ dual channels, hot-pluggable parsers; new message types added with zero downtime.
- **Secure communication:** designed IPsec VPN with strongSwan gateway, MLPS Level-3 compliant.

**Unified Payment Gateway** — Tech Lead May 2024 – Present  
Company-wide payment entry covering WeChat Pay, Alipay, XPayment, Stripe, etc.

**Stack:** Java 17 · Spring Boot · RocketMQ · MySQL · Docker · GitLab CI

- Abstracted multi-channel protocols; REST + SDK modes; new channel go-live in < 1 s.
- Order state-machine (PaymentOrder/TransactionRecord) reduced consistency issues by 70%.
- Delay queue + rule engine cut customer complaints by 80%, boosted peak TPS by 2.4×

## **Membership Graph Intelligence Platform — Backend Engineer**

Jun 2021 – Mar 2023

Built a graph of 1 billion nodes / 60 billion edges for recommendations and risk decisions.

**Stack:** Java · Sofa · GraphX · XGBoost · ODPS · RocketMQ

- AB tests increased “Pay-for-Others” conversion by 25.6%; reduced mis-transfer complaints by 80%.
- Self-service insights backend (template + schedule pipeline) improved analysis efficiency by 6×.

## **Alipay Card Wallet — Card Business Owner**

Jul 2020 – Jun 2021

Card wallet serves 300 M+ MAU, aggregating 1st/2nd/3rd-party passes.

**Stack:** Java 8 · Sofa · MySQL · Redis · Message Broker · Ant Design · Groovy DSL

- Unified issuance pipeline: standardized card data, cutting new-flow lead-time from 5 p-days to 1 p-day.
- Shared stored-value card: launched “RT-Mart Family Card,” growing merchant stored-value users by 27%.

## **Didi Security Domain (2016–2020) — Backend Engineer**

Oct 2016 – Jul 2020

- **True-Identity Bad-Debt Service:** Python→Java rewrite; P99 latency –55%, SLA 99.99%.
- **Emergency Incident Platform:** Activiti-based visual workflow; CSR response 30 min→5 min.
- **Security Work Portal:** delivered from design to production in 1 month; 3 k+ daily security tickets.

## **PERSONAL STATEMENT**

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- Technology-driven, committed to high-quality delivery in rapid iterations.
- Team enabler: advocates AI-assisted coding, TDD and CI/CD; builds knowledge-sharing culture.
- Energetic and optimistic; basketball and running enthusiast with strong execution and self-motivation.