

# Yangyang Li

Ottawa, ON • [linkedin.com/in/yangyangli-ca](https://www.linkedin.com/in/yangyangli-ca)  
yangyangli.ca@gmail.com • 3435589756

## Senior Full Stack Developer

Results-driven Senior Full Stack Developer with 8+ years of experience building and optimizing consumer-facing applications, specializing in scalable architecture, high-traffic system management and cloud infrastructure.

### WORK EXPERIENCE

#### **Penguin Benefits • Ottawa, ON, Canada • 01/2024 – Present**

##### **Senior Full Stack Developer • Full-time**

- Architected and launched a cloud-native parental leave SaaS platform using Java (Spring Boot), PostgreSQL, Redis, and React; improved employee planning efficiency and accelerated manager workflows for enterprise clients.
- Led enterprise integration and branding of platform into benefits ecosystems of New York Life, Prudential, and Voya, supporting projected scale of 100K+ employees across 100+ employers by 2025.
- Built a modular benefit calculation engine using Groovy, supporting earnings thresholds, replacement ratios, and duration rules; ensured precise, policy-compliant benefit estimates at scale.
- Migrated auth system from Firebase to AWS Cognito with MFA and SSO, streamlining onboarding and reducing user-related support tickets by 20%.
- Used JMeter to identify and resolve key performance bottlenecks, cutting latency by 35% and boosting SLA from 99.5% to 99.9%.
- Developed a Cypress-based automated and visual regression testing suite, reducing manual QA effort by 70% and accelerating CI/CD release cycles.

#### **Full Truck Alliance • Nanjing, China • 10/2020 – 07/2023**

##### **Senior Software Developer • Full-time**

- Developed and enhanced the YMM app's checkout system using Domain-Driven Design and microservice architecture, handling complex financial transactions across carriers, shippers, and platform entities. Integrated payment and logistics features, scaling daily transactions to 500,000+ orders.
- Led architectural overhaul by introducing a scenario-based framework, improving development agility by 30% and reducing redundant code. Enabled flexible support for specialized logistics scenarios including cold chain and short-distance delivery.

### SKILLS

**Backend:** Java, Spring Boot, Spring Cloud, PostgreSQL, MongoDB, gRPC, Apache Thrift, GraphQL, RESTful API, ZooKeeper, RabbitMQ, Kafka

**Frontend:** Typescript, React, Next.js, Material UI, Redux, HTML5, CSS

**Testing:** Automation Testing, Performance Testing, Cypress, Postman, Apache JMeter, JUnit

**DevOps:** Docker, Kubernetes, AWS, IaaS, Terraform, CI/CD

#### **System Design & Architecture:**

Microservices, CQRS, RPC, Domain-Driven Design, Event-Driven

#### **Security & Compliance:**

SOC 2, Zed Attack Proxy (ZAP), AWS WAF, AWS GuardDuty, AWS CloudTrail

#### **Project Management:**

SDLC (Software Development Lifecycle), Agile Management, Sprint Planning & Backlog Grooming

- Applied the Saga pattern to ensure consistency and fault tolerance in payment workflows, handling cargo updates, order creation, contract generation, and waybill processing across distributed systems.
- Led a 5-person reliability team to govern transaction platform stability, optimizing system topology, tuning SQL, and resolving Redis HotKey/BigKey issues; improved fault tolerance and cut annual downtime to under 20 minutes.

## **Ximalaya Network Technology • Shanghai, China • 02/2019 – 10/2020**

### **Senior Software Developer • Full-time**

- Contributed to user growth to 32.83M paying users and billions of plays by building monetization features for the Himalaya app, including “Ad-Watch for Free Listening” and “Limited-Time Freebies” on Album Details pages.
- Scaled Album Central Service to handle 100K+ API requests/sec with P99.99 latency of 150ms, supporting commercialization, online education, and live broadcast features across 80M+ audio albums.

## **Gechen Information Technology • Shanghai, China • 10/2017 – 01/2019**

### **Intermediate Software Developer**

- Launched a hotel booking platform integrated with Ctrip and third-party APIs, supporting real-time pricing and booking; generated ¥300K+ in revenue and 300+ room-nights in the first month.
- Developed a flight ticketing module via Difeng Holiday API integration, enabling search, fare checks, and bookings; broadened company travel offerings and improved user convenience.

## **Beijing Rongyitong Jiehang Information Technology •**

**Shanghai, China • 03/2017 – 10/2017**

### **Junior Java Developer • Full-time**

- Developed a mission-critical airline ticketing system for China Eastern Airlines, supporting end-to-end e-ticket lifecycle from issuance to settlement; achieved 99.9% issuance accuracy, 99% response time under 300ms, and handled 20,000+ daily queries.
- Implemented Redis-based transaction management and concurrency control to ensure data integrity under high-concurrency airline ticket operations.

**Soft Skills:** Self-motivated, Communications, Cross-Functional Collaboration, Technical Documentation, Team Mentoring

## **EDUCATION**

### **Diploma in Computer Programming**

Algonquin College  
Ottawa, ON  
GPA: 3.7/4.0  
09/2023 – 12/2024

### **Bachelor in Engineering**

Huazhong University of Science and Technology  
Wuhan, China  
09/2012 – 06/2016