(+31)-649029282
binliu.zhang@gmail.com

Binliu Zhang

github.com/cool4zbl
linkedin.com/in/binliu-zhang

Senior Software Engineer with 8+ years of experience scaling large-scale backend infrastructure using Java and Go. Proven ability to improve system efficiency, scalability, and stability for millions of users. Passionate about end-to-end system ownership and driving technical direction in collaborative, cross-functional teams.

Work Experience

Senior Software Engineer   **Just Eat Takeaway** *(Leading European Food-delivery Platform)*   **May 2023 – Present**
OperationPlatform/HelpExperience Team   Enschede, Netherlands

- **Designed and implemented an event-driven orchestration layer** (Java, Spring Boot, Kafka, SQS, Redis) for a chatbot backend, collaborating with product and ops teams to automate customer order issue resolution; reducing manual interventions by 60% and significantly improving system stability.
- **Architected a unified operational platform** JETMS (Java, TypeScript, MySQL, CQRS), consolidating 20+ services with multi-tenant routing and a unified data model; reduced operational complexity and issue-resolution SLA by ~33%
- **Built a centralized logging pipeline** (Benthos, Kafka, AWS SQS, OpenSearch) to improve system observability, processing 50k+ logs/day; enabling proactive performance monitoring and reducing Mean Time To Recovery (MTTR) by 25% across the platform.

Senior Software Engineer   **Grab** *("Uber + DoorDash" of Southeast Asia)*   **Feb 2021 – Apr 2023**
Geo - Map Collection Team   Beijing, China

- **Led the end-to-end development** of a crowdsourced task management platform Jarvis (Go, PostgreSQL, ElasticSearch, Kafka) that scaled to manage 400k+ geospatial data points from 300k tasks, directly improving the efficiency of core ride-sharing and delivery operations.
- **Engineered high-performance street-view microservice** KartaView (Go, PostGIS) using the Douglas-Peucker algorithm; reduced geospatial data complexity by 70%, leading to significant storage cost savings and improved query latency.
- **Implemented distributed notification system** (Redis locks, Kafka, ElasticSearch) with exactly-once delivery semantics, ensuring high reliability for 10k+ critical monthly notifications and boosting user engagement rates.

Senior Software Engineer   **AntGroup** *(Global Leading Digital Fintech Platform)*   **Jan 2018 – Jul 2020**
AI - Data Platform Team   Beijing, China

- **Re-architected a core experimentation platform** Darwin (client SDKs + Java APIs) with standardized contracts,
- supporting 15M+ DAUs and 1,000+ experiments annually, driving 2% conversion lift and saving $10M+ annually
- **Owned the development** of a full-stack traffic-splitting SDK that ensured consistent experiment allocation across devices, implementing secondary hashing and client-side caching to reduce server-side computation by 40%.

Software Engineer   **Douban** *(Reddit + IMDb in China)*   **Jul 2015 – Sep 2017**
User Product Team   Beijing, China

- Developed and maintained core features for web applications serving over 100 million users (Python, JavaScript).

Skills

- **Languages**: **Java, Go**, Python, Kotlin, TypeScript/JavaScript, SQL
- **Distributed Systems**: Kafka, Redis, PostgreSQL/MySQL, ElasticSearch/OpenSearch, Microservices, Event-Driven Architecture, CQRS, gRPC
- **Frameworks & Libraries**: Spring Boot, Spring WebFlux, R2DBC, PostGIS
- **Cloud & DevOps**: AWS/Azure, Docker, Kubernetes, CI/CD (GitHub Actions), Observability/Tracing

Education

- **B.Sc. Electronic Engineering, University of Electronic Science and Technology of China**   **2011 – 2015**

Volunteering

Mentor   **Woman In Tech(Forward With Her)**   **2022**

- Mentored 9 junior engineers in STEM, providing technical guidance and fostering professional growth.