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Binliu Zhang

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Experienced Senior Software Engineer with 9+ years of experience developing large-scale, high-performance applications. Proven track record designing and optimizing backend architectures, distributed systems, and microservices powering global platforms with millions of users.

Work Experience

Senior Software Engineer CARE - Platform Team	Just Eat Takeaway (<i>Leading Food-delivery Platform</i>) Enschede, Netherlands	May 2023 – Present
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- **Architected the JETMS platform**(Java, TypeScript), consolidating systems across **20+ countries**, streamlining operations, reducing internal operational complexity, and accelerating issue resolution by **33%**.
- **Built a centralized chatbot gateway backend** (Java, Spring Boot, Ultimate.ai), orchestrating **10+ backend systems** into a unified API and automated flows, significantly reducing manual interventions by **60%** across multiple markets.
- **Led an IVR management platform** (Spring WebFlux, R2DBC, and MySQL) from scratch to automate **Talkdesk voice routing** and **scheduling**, improving customer support reliability and reducing manual tasks by **80%**.
- **Enhanced system observability** by developing a centralized logging infrastructure (**Benthos, Kafka, SQS, OpenSearch**), processing **50,000+ daily logs**, and cutting **troubleshooting time by 25%**.
- **Improved developer velocity and operational maturity by refining CI/CD pipelines** (GitHub Actions, AWS), building internal SDKs, and introducing micro-frontend integration frameworks (**Single-SPA, Kubernetes**), cutting **deployment cycles by 35%**.

Senior Software Engineer Geo - Map Collection Team	Grab (<i>Uber + DoorDash in SEA</i>) Beijing, China	Feb 2021 – Apr 2023
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- **Led the Jarvis crowdsourced task management platform** (Go, PostgreSQL, ElasticSearch, Kafka), managing **400k+ geospatial data points** from **300k tasks**, supporting efficient operations for ride-sharing and delivery services.
- **Engineered a high-performance street-view microservice** utilizing **PostGIS** and the **Douglas-Peucker algorithm** to reduce geospatial data complexity by **70%**, enhancing user-facing application performance.
- **Implemented a notification system** (cron jobs, Redis locks, ElasticSearch), aggregating data from multiple pipelines to deliver **10k+ monthly notifications**, significantly increasing user engagement and task completion rates.

Senior Fullstack Engineer AI - Data Platform Team	AntGroup (<i>Global Leading Digital Platform</i>) Beijing, China	Jan 2018 – Jul 2020
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- **Overhauled Darwin into a robust A/B testing platform** (React, Java), increasing business conversion rate by **2%** and generating over **\$10M** in annual marketing cost savings from improved experiment methodologies.
- **Designed an end-to-end UI A/B testing solution**, creating a robust **diversion SDK** with secondary hashing and caching, improving user distribution and standardizing **API access** across devices, serving **15M+ DAUs** and facilitating **1,000+** experiments annually.

Fullstack Engineer User Product Team	Douban (<i>Reddit + IMDb in China</i>) Beijing, China	Jul 2015 – Sep 2017
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- **Developed web and hybrid applications** for over **10 products** using **JavaScript** and **Python**, serving **100M users** with enhanced interfaces and improved functionalities.

Skills

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- **Programming Languages:** Java/Kotlin, JavaScript/TypeScript, Go, Python, SQL
 - **Technologies:** PostgreSQL/MySQL, Redis, Kafka, ElasticSearch, Spring, AWS, Azure, CI/CD, Docker, Kubernetes, Vuejs/React/Vite, Node.js, Micro-Frontend, REST, gRPC, Event-Driven Architecture, Distributed System, A/B Testing

Education

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- **B.Sc. Electronic Engineering**, [University of Electronic Science and Technology of China](#) **2011 – 2015**