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Binliu Zhang

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Software Engineer with 8 years of experience in developing large-scale, high-performance applications. Proven track record in enhancing operational efficiency, innovating product features, and serving a user base of over 100 million.

Work Experience

Senior Software Engineer	**Just Eat Takeaway**	**May 2023 – Present**
CARE - Platform Team	Enschede, Netherlands	

- Architected and launched the JETMS platform using TypeScript and Java/Kotlin, integrating domain applications for orders, restaurants, and menus across 20+ countries, enhancing operational efficiency for over 1000 users.
- Engineered a framework-agnostic solution for integrating applications and 3 legacy platforms using a micro-frontend architecture, employing mono repo strategies, Single-Spa, AWS S3, Kubernetes, and Docker to significantly improve system adaptability and reduce legacy dependencies.
- Designed developer tools and SDKs, utilizing GitHub Actions and AWS services to enhance the developer experience and streamline deployments and integrations, increasing efficiency by 30%.
- Fostered a collaborative team environment by mentoring 3 junior engineers and supporting peer development, enhancing team problem-solving capabilities and technical proficiency.

Senior Software Engineer	**Grab**	**Feb 2021 – Apr 2023**
Geo - Map Collection Team	Beijing, China	

- Spearheaded the Jarvis crowdsourced task management platform, implementing event-driven architectures leveraging PostgreSQL, ElasticSearch, and Kafka to manage over 400k map data points via 300k tasks.
- Led and shipped the street-view image collection microservice and the portal, and reduced processing time from weeks to hours by automating quality checks using Go and Redis distributed lock.
- Enhanced application performance and user experience by 70% by proposing and applying the "Doug-Peuker" algorithm, reducing data complexities in mobile and web applications.
- Onboarded and trained 7 new hires on Grab's tech stack and development best practices.

Senior Fullstack Engineer	**Alibaba**	**Jan 2018 – Jul 2020**
AntGroup - Data Platform Team	Beijing, China	

- Redesigned the Darwin one-stop A/B testing platform using React, increasing business conversion rate by 2% and generating significant marketing cost savings of over $10M through over 5k A/B experiments per year.
- Led and developed an end-to-end UI A/B testing solution from scratch, seamlessly integrating Darwin across 20+ internal platforms, drastically reducing setup times from days to minutes and boosting business agility.
- Crafted runtime SDKs that unified API interactions across devices, directly impacting over 15 million daily active users, and served over 1k experiments across diverse scenarios.

Fullstack Engineer	**Douban**	**Jul 2015 – Sep 2017**
User Product Team	Beijing, China	

- Developed web and hybrid applications for over 10 products using JavaScript and Python, impacting nearly 100 million users with enhanced user interfaces and functionalities.

Skills

- Programming Languages: JavaScript/TypeScript, Go, Kotlin/Java, 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, Distributed System, A/B Testing

Education

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

Volunteering

Mentor	**Woman In Tech(Forward With Her)**	**Feb 2022 - Apr 2022**

- Mentored 9 junior STEM women, fostering professional growth, and promoting gender equality in the tech industry.