

# Zhiqiang ZHOU

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## EDUCATION

- **Yunnan University** Kunming, China  
*Bachelor - Digital Media Technology* July 2014 - June 2018  
*Courses: Data Structures, Networking, Operating System, Database, Multimedia Programming, Software Engineering*

## SKILLS SUMMARY

- **Languages:** Go, Javascript/Typescript, Kotlin, Java, Swift, Rust
- **Frameworks:** Kubebuilder/Controller Runtime, gin, GraphQL, gRPC, Spring Boot/Spring Cloud, React
- **Tools:** Kubernetes, Docker, PostgreSQL, ClickHouse, Bash, Git
- **Soft Skills:** Event Management, Writing, Public Speaking, Project Management

## WORK EXPERIENCE

- **GitRoll** Remote / Vancouver, Canada  
*Software Engineer* Sept 2024 - Now
  - **GitRoll - Merit-based Talent Platform:** At GitRoll, I work on full-stack development and operations, optimizing CI/CD pipelines with Ansible for automated deployments across multiple global data centers. I manage ClickHouse clusters, leveraging GH Archive data to analyze GitHub user influence and contributions. Additionally, I built a search engine combining keyword matching with RAG/vector search, enabling recruiters to quickly identify suitable candidates.
- **Limit-LAB Limited** Remote / Hangzhou, China  
*Software Engineer* Aug 2023 - May 2024
  - **Limit Studio - AI Agent Platform:** Led backend and DevOps teams, designing system architecture, API development, CI/CD, and infrastructure for multi-modality AI agents.
- **Reddio** Remote / Hangzhou, China  
*Software Engineer* Nov 2022 - Mar 2023
  - **Reddio SDK - Web 3 Developer Kit for Game Developers:** Developed core logic in Rust to integrate ETH Layer 2 ecosystem with GameFi, published binding to other languages, enabling efficient, cross-platform support for Java/Kotlin, C#, and Swift.
- **PingCAP** Remote / Hangzhou, China  
*R&D* Oct 2020 - Aug 2022
  - **Chaos Mesh - Open Source Chaos Engineering Platform:** Maintained and improved core features, including NetworkChaos, JVMChaos, IOChaos, and HTTPChaos. Led Chaos Mesh Workflow development for scheduling experiments in parallel and serial execution, health-check, and emergency abort.
  - **Public Speaking and Community Meetup:** Delivered 6+ talks at KubeCon, Cloud Native Days Tokyo, QCon, and other events. Host Chaos Mesh community meetings, providing technical updates and answering adopter questions.
  - **TiDB Cloud DBaaS Disasters Recovery Drill:** Led disaster recovery testing for TiDB Cloud, analyzing failures such as instance crashes, EC2 failures, network delays, and high-stress loads.
- **Koudai Shopping, Weidian** Hangzhou, China  
*Senior DevOps Engineer - SRE Team* May 2020 - Oct 2020
  - **Polaris - Monitoring System:** Optimized InfluxDB by implementing an auto-sharding and re-balancing proxy, reducing timeout queries by 97%. Improved alerting governance, cutting false alerts by 40%. Integrated Metrics Monitoring with Logging/Tracing for a unified profiling experience.
  - **Kubernetes and Application Migrations:** Participated PaaS migration from VM-based architecture to Kubernetes, integrating monitoring, alerting, in-place upgrades, and networking. Developed features for the internal CD platform (Zebra) to deploy and scale applications across VM and Kubernetes.
- **Bangsun Technology** Hangzhou, China  
*Software Engineer* Nov 2017 - May 2020
  - **Real-Time Financial Risk Control Decision Flow Engine:** Optimized architecture using Actor Model, for better async throughput. As a result, the daily throughput of the service increased from 100k to 600k.
  - **API Gateway for Decision Flow Engine:** I built a component like "ingress controller", it watches the service-discovery info on Zookeeper and updates the configuration of Nginx.

## VOLUNTEER EXPERIENCE

- **Board Member of Vancouver Linux User Group** Vancouver, Canada  
*Assist events organizing, engage in community discussions, and deliver presentations.* Oct 2024 - Present
- **Community Organizer at Hangzhou Linux User Group** Hangzhou, China  
*Organized "Hacking Saturday" bi-weekly or monthly, the offline meetup for Linux users.* Oct 2021 - Sept 2024
- **Mentor at LFX Mentorship** Remote  
*Participated LFX Mentorship as a mentor 4 times for the project Chaos Mesh.* Sep 2021 - Present
- **Maintainer of Yunnan University Open Source Association** Kunming, China  
*Built and maintained the repository mirror site for Linux Distros.* Sep 2016 - Jun 2018