Feiyang (Maki) XIE

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EDUCATION

THE Ohio State Universtiy   *Aug.2024-Dec.2025*
Master of Computer Science and Engineering   **GPA: 4.0/4.0**
Engineering Related*: Distributed System, Operation System, Computer Architecture, Foundations of Programming Languages, Algorithms and Datastructures, Advanced Algorithms, etc*
AI Model Related*: Machine Learning, Natural Language Processing*

SKILLS & PERSONAL PROJECTS

- Language: Golang, Kotlin, Java, Python
- Infra: Workflow(Temporal/Steps), DB (MySQL/Postgresql/MongoDB), Cache(Redis), Messaging (Kafka), DevOps (Kubernetes/Helm);
- Protocol and Frameworks: HTTP, gPRC, thrift;
- Tools: Github/Gitlab, Vim/Cursor, ArgoCD/Prometheus/Grafana;
- Designs: System Design, Testing Design for infra projects, Object-oriented Design, Domain-driven Design;

PERSONAL PROJECTs

- mkRaft: an basically-industry level, and educational implementation of the **Raft** Protocal with the pluggable state machine;

FULL-TIME WORK EXPERIENCE

Airwallex   **Shanghai, China**
Staff Backend Software Engineer   *Mar.2024 – July.2024*
Senior Backend Software Engineer   *Apr.2022 – Feb.2024*
Responsible for workflow/durable functions (Temporal/Cadence) related projects in Airwallex
- Develop, review and maintain Temporal-based Applications;
- Self-host OSS Temporal Clusters within Airwallex on top of Airwallex infrastructure;
- Design and developed Kafka-SDK for data migration between different datacenters.
- Invited to be the only Chinese Speaker in the Annual Temporal Conference hosted in Bellevue on September 12th, 2023, sharing the experience in the Interactive Business Process with other experts.

ByteDance   **Shanghai, China**
Senior Backend Software Engineer/Tech Leade   *Apr.2020 – Nov.2021*
- **DSL-Workflow for Online Courses**: built a DSL-based workflow based on the investigation of various DSL workflows like Amazon Steps and Conductor, supporting the flexible process and dynamic interaction of online English classes.
- Led a team of 8 to design and create an *e-commerce system* from scratch with the order, commodity, finance and promotion subsystems to support the selling of online classes. System consistency was guaranteed by a Try-Confirm-Cancel pattern which was an adaption from 2 phase commit.

Alibaba Group   **Shanghai, China**
Senior Software Engineer   *May.2018 – Dec.2019*
Software Engineer   *Mar.2017 – May.2018*
- Responsible for business systems for marketing and promotion