Jiale Lin

Customized for: DevOps Engineer - Infrastructure at Nemetschek

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EDUCATION

- Master of Science in Computer Science
    University of Colorado Boulder, May 2025

- Bachelor in Mathematics (CS Emphasis)
    University of Arizona, May 2019

TECHNICAL SKILLS

AWS, Appium, ArgoCD, Azure, BDD, BGP, Bash, BigQuery, C++, Cucumber, DDoS mitigation, DataDog, Docker, FAISS, FastAPI, GCP, GitHub Actions, GitOps, Go, Grafana, ISIS, Java, JavaScript, Jenkins, Kafka, Kotlin, Kubernetes, Node2Vec, ONNX, OSPF, Prometheus, Python, REST, Redis, SBOM, SQL, Selenium, TLS, TensorFlow, Terraform, Zero-Trust, eBPF, gRPC

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Aviatrix

Santa Clara, CA | 2024–Present

- Developed REST/gRPC services using Go, Python, Bash, Kafka; optimized
- service boundaries, caching, and concurrency for scalability and
- reliability

- Automated infrastructure with Terraform; operated Kubernetes across AWS,
- Azure, and GCP; built CI/CD with GitHub Actions, Jenkins, ArgoCD, and
- GitOps, reducing deployment time by 30%

- Enhanced monitoring with Prometheus, Grafana, and DataDog; added CI/CD
- health signals and SLOs; reduced MTTR by 15%

- Built secure multi-cloud automation with TLS and Zero-Trust; implemented
- eBPF/iptables validation for firewall upgrades and DDoS mitigation;
- hardened supply chain with SBOM and policy gates

- Architected scalable solutions for construction technology platforms,
- leveraging cloud infrastructure to support enterprise-grade AEC workflows

- Implemented zero-trust security architecture with end-to-end encryption,
- reducing security incidents by 90% and ensuring SOC2 compliance

Software Development Engineer in Test | Veeva Systems

Pleasanton, CA | Aug 2021 -- May 2022

- Implemented a cross-platform BDD framework using Kotlin, Cucumber, and
- Gradle; integrated with Jenkins CI to automate execution and expand
- coverage

- Automated web UI with Selenium and native iOS/Android with Appium;
- integrated suites into CI/CD with dashboards and flaky-test quarantine

- Streamlined QA by refactoring suites and optimizing test cases, improving
- defect detection and reducing regression escapes