# Jiale Lin

## Customized for: Senior Software Engineer - CAD Platform at Nemetschek

Email: jeremykalilin@gmail.com             Phone: +1-510-417-5834
LinkedIn: linkedin.com/in/jiale-lin        U.S. Citizen

## 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, AutoCAD, 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, Revit, 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

- Designed and deployed machine learning pipelines with 99.9% uptime,
- processing millions of data points for real-time analytics and predictions

### 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