

Hongzhi Li

DevOps Engineer & Cloud Infrastructure Specialist

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Profile Summary

Experienced DevOps Engineer and Infrastructure Specialist with over 5 years of expertise in cloud technologies, system optimization, and automated deployment pipelines. Currently serving as IT/Infrastructure Specialist at ECARX with proven track record in Kubernetes, AWS, Docker, and infrastructure automation. Specialized in infrastructure optimization roles for companies like Opera.

Core Technical Skills

- **Cloud (AWS-first):** EC2, VPC, IAM, RDS, S3, CloudFront (CDN), Route53, ALB/NLB, CloudWatch
- **IaC & Config:** Terraform (modules, workspaces), CloudFormation, Ansible; GitOps
- **Containers/Orchestration:** Docker, Kubernetes (AKS/EKS/on-prem), Helm, Kustomize
- **CI/CD:** Jenkins (multibranch, shared libs), GitHub Actions, GitLab CI; blue/green, canary
- **Monitoring/Logging:** Prometheus, Grafana, Loki, Alertmanager; SLOs, dashboards, alerting
- **Networking/HA:** Nginx/HAProxy, load balancing, TLS, CDN, autoscaling, high availability
- **Systems:** Linux admin (Ubuntu/CentOS), systemd, shell scripting, performance tuning
- **Programming:** Python, Bash, PowerShell; internal tooling and automation
- **Git Expertise:** Rebase/merge workflows, GitFlow/trunk-based, reviews, submodules

Professional Experience

ECARX — IT/Infrastructure Specialist

October 2024 - Present — Gothenburg, Sweden

- Built and maintained CI/CD pipelines (Jenkins/GitHub Actions) for microservices; standardized templates and secrets
- Implemented Prometheus, Grafana, and Loki with Alertmanager; SLO dashboards and weekly reliability reporting
- Established incident management: on-call rotation, runbooks, recovery playbooks, and post-mortems
- Co-defined SDLC with dev teams: GitFlow/trunk-based, code review gates, semantic versioning
- Led release planning with PM/engineering; automated release notes and change approvals
- Provisioned infra from scratch via Terraform modules; migrated AKS to on-prem Kubernetes (cost reduction)
- Administered Linux servers; configured Nginx/HAProxy, ALB, and CloudFront for load balancing/CDN
- Advocated DevOps best practices across the org; trained engineers on Git and incident readiness

Synteda — Azure Fullstack Developer & Integration Specialist (Freelance)

August 2023 - September 2024 — Gothenburg, Sweden

- Developed comprehensive talent management system using C# and .NET Core with cloud-native architecture
- Built complete office management platform from scratch, architecting both frontend and backend components
- Implemented RESTful APIs and microservices for scalable application architecture

- Integrated SQL and NoSQL databases with optimized query performance and data protection measures

IT-Högskolan — Backend Developer (Part-time)

January 2023 - May 2023 — Gothenburg, Sweden

- Migrated "Omställningsstod.se" adult education platform using Spring Boot backend services
- Developed RESTful APIs for frontend integration and implemented secure data handling
- Collaborated with UI/UX designers to ensure seamless frontend-backend integration
- Implemented automated tests as part of delivery process

Pembio AB — Fullstack Developer

October 2020 - September 2021 — Lund, Sweden

- Developed Pembio.com platform backend with Java and Spring Boot in microservices architecture
- Built frontend features using Vue.js framework and integrated with backend APIs
- Developed RESTful APIs and implemented comprehensive database integration
- Participated in Agile development processes and collaborated with cross-functional teams

Hobby Projects

ECARX_Cost_Optimization_&_HPC_Migration

2024 – Present

Terraform, Kubernetes, On-prem HPC, Prometheus/Grafana/Loki

- Led Azure cost optimization by migrating AKS workloads to on-prem HPC Kubernetes cluster using Terraform modules
- Achieved significant cost savings and up to 259% CI throughput improvement vs Azure flagship VM in pipeline workloads
- Implemented observability with Prometheus, Grafana, Loki, and Alertmanager; SLO dashboards and actionable alerting
- Established incident framework (on-call, runbooks, recovery playbooks, postmortems) and SDLC guardrails

Multi-Cloud_DevOps_Platform

2024 – Present

Cloudflare R2/WAF/CDN, AWS, Azure, GCP, Heroku

- Built resilient delivery across Cloudflare, AWS, Azure, GCP, and Heroku for apps and internal tooling
- Automated LaTeX/Overleaf integration via Cloudflare R2; artifact backups and shareable edit links
- Implemented GitOps workflows, secrets management, and environment promotion with policy gates

SmrtMart_E-commerce_CI/CD

2024 – Present

GitHub Actions/Jenkins, Terraform, Docker, Kubernetes

- Implemented build/test/deploy pipelines with blue/green and canary strategies and infrastructure as code
- Added end-to-end observability, performance baselines, and automated rollbacks on SLO violations

Content_Automation_Pipeline

2024 – Present

GitHub Actions, APIs, Static Site CI

- Automated syncing of bluehawana.com posts with LinkedIn and GitHub repositories for unified publishing
- Event-driven jobs ensure changes propagate across platforms with audit trails and status reporting

Android_Auto_CI_&_Release

2025

Gradle, GitHub Actions, Fastlane (signing)

- Standardized Android Auto project pipelines; signed builds, release channels, and artifact retention
- Integrated crash/log capture and log-based triage into release process

Weather_Anywhere_Infra

2024 – Present

SpringBoot, Alibaba Cloud ECS, ApsaraDB RDS (MySQL), Heroku

- Operated city/weather data service with Alibaba Cloud ECS and ApsaraDB, focusing on reliability and cost
- Demo: <https://weather.bluehawana.com>

Education

Education

IT Högskolan

Bachelor's Degree in .NET Cloud Development — 2021-2023

Mölnadal Campus

Bachelor's Degree in Java Integration — 2019-2021

University of Gothenburg

Master's Degree in International Business and Trade — 2016-2019

Certifications

- AWS Certified Solutions Architect - Associate (Aug 2022)
- Microsoft Certified: Azure Fundamentals (Jun 2022)
- AWS Certified Developer - Associate (Nov 2022)

Additional Information

- **Languages:** Fluent in English and Mandarin
- **Interests:** Vehicle technology, energy sector, electrical charging systems, and battery technology
- **Personal Website:** bluehawana.com
- **Customer Websites:** senior798.eu, mibo.se, omställningsstod.se