

Hongzhi Li

Cloud DevOps Engineer & Site Reliability Specialist

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Profile Summary

Experienced Cloud DevOps Engineer with 4+ years of hands-on expertise in Azure, AWS, and GCP cloud platforms. Proven track record in site reliability engineering, DevOps, and DevSecOps practices within multinational organizations. Strong software development background in Python, C#, and Go with high expertise in Docker, Terraform, Azure DevOps pipelines, Helm Charts, and multi-staging CI/CD deployments. AWS and Azure certified with a passion for sustainable technology solutions.

Core Technical Skills

- **Cloud Platforms (4+ years):** Microsoft Azure (primary), AWS, GCP; Multi-cloud architecture and migration
- **DevOps Toolchains:** Docker, Terraform (IaC), Azure DevOps, Git, Helm Charts, Kubernetes (AKS/EKS/GKE)
- **CI/CD Expertise:** Azure DevOps Pipelines (multi-staging), GitHub Actions, GitLab CI, Jenkins; Automated testing and deployment
- **Programming Languages:** Python, C#/.NET, Go, Bash/PowerShell; Infrastructure automation and tooling
- **Site Reliability Engineering:** Prometheus, Grafana, System monitoring, Performance optimization, Incident response
- **DevSecOps:** Security scanning, Vulnerability management, Compliance automation, Secret management
- **Container Orchestration:** Kubernetes, Azure Kubernetes Service (AKS), Docker Swarm, Container security
- **Databases:** PostgreSQL, MySQL, MongoDB, Azure Cosmos DB, Database performance tuning
- **Certifications:** AWS Solutions Architect Associate, AWS Developer Associate, Azure Fundamentals

Professional Experience

ECARX | IT/Infrastructure Specialist

October 2024 - Present | Gothenburg, Sweden

- Leading infrastructure optimization and system integration projects for automotive technology solutions
- Implementing cost optimization project by migrating from AKS to local Kubernetes cluster, reducing operational expenses by 40%
- Deployed comprehensive monitoring stack using Prometheus and Grafana to observe high-performance local cluster servers, tracking CPU usage, I/O performance, memory utilization, and network throughput
- Conducted detailed performance analysis comparing on-premises GitLab runner environment with Azure Kubernetes Service (AKS), identifying 25% performance improvement in CI/CD pipeline execution times
- Implemented advanced Grafana dashboards for real-time infrastructure observability, enabling proactive issue detection and system optimization
- Managing complex network systems and providing technical solution design for enterprise-level applications

- Providing IT support and infrastructure support to development teams for enhanced productivity

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

AKS_to_OnPrem_K8s_Migration

Oct 2024 - Present

Azure Kubernetes Service, Terraform, Prometheus, Grafana, Docker

- Led infrastructure optimization project migrating from AKS to on-premises Kubernetes, reducing operational costs by 40%
- Implemented comprehensive monitoring stack using Prometheus and Grafana for CPU, I/O, memory, and network metrics
- Conducted detailed performance analysis comparing AKS vs on-prem, achieving 25% improvement in CI/CD pipeline execution
- Deployed advanced Grafana dashboards for real-time infrastructure observability and proactive issue detection

Azure_DevOps_Multi_Stage_Pipeline

2024

Azure DevOps, Terraform, Helm Charts, Docker, C#

- Designed and implemented multi-staging CI/CD pipeline with dev, staging, and production environments

- Automated infrastructure provisioning using Terraform modules and Helm Charts for Kubernetes deployments
- Integrated security scanning, automated testing, and compliance checks into deployment pipeline
- Achieved zero-downtime deployments with blue-green deployment strategy

Jobhunter_Python_Cloud_Automation

July 2024 – Present

Python, Azure, AWS, Docker, GitHub Actions, REST APIs

- Built automated job hunting pipeline with Gmail API integration and NLP-based resume customization
- Deployed on Azure with CI/CD automation using GitHub Actions and Docker containers
- Implemented monitoring and alerting for system reliability and performance optimization
- Demo: <https://jobs.bluehawana.com>

Weather_Anywhere_Multi_Cloud

Feb 2024 – Present

Spring Boot, Alibaba Cloud ECS, Azure, MySQL, Terraform

- Weather tracking application deployed across multiple cloud providers for high availability
- Infrastructure as Code using Terraform for automated provisioning and disaster recovery
- Integrated with OpenCageData and Open-Meteo APIs for real-time weather data
- Demo: <https://weather.bluehawana.com>

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:** Sustainable technology, cloud infrastructure, energy efficiency, climate-neutral solutions
- **Personal Website:** bluehawana.com