

# 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 Tata.

## Core Technical Skills

- **Cloud Platforms:** AWS, Azure, GCP, Alibaba Cloud ECS, Infrastructure as Code
- **Containerization:** Docker, Kubernetes, Azure Kubernetes Service (AKS), Container Orchestration
- **CI/CD:** Jenkins, GitHub Actions, GitLab CI, Automated Testing, Deployment Pipelines
- **Infrastructure:** System Integration, Network Management, Cost Optimization, Performance Monitoring
- **Monitoring & Observability:** Prometheus, Grafana, Advanced Scripting, System Reliability, Performance Analysis, Infrastructure Metrics, GitLab Runner Optimization
- **Programming:** Python, Bash, PowerShell, Java, JavaScript, Go, Infrastructure Automation
- **Databases:** PostgreSQL, MySQL, MongoDB, AWS RDS, Azure Cosmos DB, Database Optimization
- **Security:** Application security, Data protection, Authentication/Authorization, Network Security

## 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**

### **0.1 Weather\_Anywhere.CLOUD\_API\_Encoding**

*Feb 2024 - Present*

**SpringBoot, AlibabaCloudECS, ApsaraDBRDS(MySQL), Heroku**

- Weather tracking app for Swedish and global cities using OpenCageData and Open-Meteo APIs
- Deployed on Alibaba Cloud ECS with city coordinates and weather data stored in ApsaraDB MySQL
- Demo: <https://weather.bluehawana.com>

### **0.2 Jobhunter\_Python\_TypeScript\_RESTAPI**

*July 2024 - Present*

**Python, TypeScript, GmailRESTAPI, LinkedInAPI**

- Automated job hunting pipeline integrating Gmail search, job scraping, and resume customization
- Generated resumes and cover letters based on job descriptions using NLP techniques
- Demo: <https://jobs.bluehawana.com>

## **Education**

### **IT Högskolan**

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

### **Mölndal 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](http://bluehawana.com)
- **Customer Websites:** [senior798.eu](http://senior798.eu), [mibo.se](http://mibo.se), [omstallningsstod.se](http://omstallningsstod.se)