Harvad (Hongzhi) Li

Cloud Engineer

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Profile Summary

Cloud Engineer with 5+ years of excellent practical knowledge in cloud technologies (Microsoft Azure, AWS, GCP) proven in multinational organizations. Extensive experience in site reliability engineering, DevOps, and DevSecOps practices. Currently serving as IT/Infrastructure Specialist at ECARX Sweden AB, designing, delivering, and implementing infrastructure supporting both cloud-native and legacy applications. Expert in developing and enhancing automation stacks and CI/CD pipelines, with strong focus on Azure DevOps multi-staging code deployment administration and management. Led successful cloud infrastructure transformation with significant performance improvements and cost optimization. Hands-on software development experience in Python, C#, and Go. High expertise with DevOps toolchains: Docker, Terraform, Azure Git, Azure DevOps pipeline, Git, Helm Chart. AWS and Azure certified with passion for sustainable technology and climate-neutral initiatives. Degree in Computer Science with relevant cloud certifications.

Core Technical Skills

- **Cloud Technologies (5+ years):** Microsoft Azure (primary), AWS, GCP; Cloud-native application development and legacy application infrastructure
- **DevOps Toolchains (High Expertise):** Docker, Terraform, Azure Git, Azure DevOps pipeline, Git, Helm Chart
- **Azure DevOps CI/CD:** Multi-staging code deployment administration and management; Dev, staging, production environments
- **Software Development:** Python, C#, Go; Hands-on experience in major programming languages
- **Site Reliability Engineering (4+ years):** Production-grade service stability, monitoring, alerting, incident response
- **DevSecOps (4+ years):** Security scanning, vulnerability management, compliance automation, secure deployment practices
- **Automation Stack:** Continuous integration and continuous delivery (CI/CD) pipelines, infrastructure automation, configuration management
- **Monitoring & Alerting:** Prometheus, Grafana, Loki, Alertmanager; Application and environment stability
- **Container Orchestration:** Kubernetes, Azure Kubernetes Service (AKS), Docker containerization
- **Change Management:** Daily operational tasks, documentation, procedures, application monitoring

Professional Experience

ECARX Sweden AB — IT/Infrastructure Specialist (Cloud Engineer)

October 2024 - Present — Göteborg, Sweden

- **Cloud Infrastructure Design & Delivery:** Design, deliver, and implement infrastructure supporting both cloud-native and legacy applications; Led Azure AKS to on-premise HPC migration achieving 259% performance improvement while reducing costs by 65%

- **Automation Stack Development:** Develop, configure, and enhance automation stack and CI/CD pipelines; Implemented GitLab Runner pipelines achieving 25% improvement in execution times
- **Azure DevOps CI/CD Administration:** Designed and manage Azure DevOps multi-staging pipelines with dev, staging, and production environments including automated testing, security scanning, and zero-downtime deployments
- **Monitoring & Alerting Enhancement:** Enhanced monitoring and alerting stack using Prometheus, Grafana, Loki, and Alertmanager to ensure stability of applications and environments with SLO-driven capacity planning
- **Documentation & Operations:** Create procedures, write and review documentation, perform daily operational tasks including change management and application monitoring
- **Production-Grade Service Stability:** Ensure production-grade service stability working with internal and external teams and third-party vendors to deliver right solutions
- **DevOps Toolchain Expertise:** High expertise with Docker, Terraform, Azure Git, Azure DevOps pipeline, Git, Helm Chart for infrastructure automation
- **Cross-functional Collaboration:** Work within project structure supporting both internal and external projects with modern infrastructure expertise

Synteda — Azure Cloud Developer (Contract)

August 2023 - September 2024 — Göteborg, Sweden

- Developed cloud-native applications on Azure using C# and .NET Core with microservices architecture
- Built RESTful APIs with Azure Functions and App Services; Implemented CI/CD pipelines with Azure DevOps
- Integrated Docker containerization for consistent deployment across environments

IT-Högskolan — Backend Developer (Part-time)

January 2023 - May 2023 — Göteborg, Sweden

- Migrated legacy applications to microservices on Azure with Docker; Developed RESTful APIs using Spring Boot
- Implemented automated tests and CI/CD pipelines for continuous delivery

Senior Material (Europe) AB — Platform Architect

January 2022 - December 2022 — Eskilstuna, Sweden

- Led cloud transformation migrating monolithic applications to microservices on Azure
- Architected scalable solutions with Docker and Kubernetes; Implemented infrastructure as code and DevOps automation

Selected DevOps & Cloud Projects

HPC Infrastructure: Azure to On-Premise Migration

Dell HPC Cluster, Kubernetes, Terraform, Prometheus, Grafana, Loki, Alertmanager

- Architected 4-node Dell HPC cluster achieving 259% performance improvement over Azure HB120rs_v3 flagship VM; Reduced costs by 65%
- Systematic performance tuning: CPU affinity, memory bandwidth, I/O subsystem, NUMA-aware scheduling
- Implemented observability stack (Prometheus/Grafana/Loki/Alertmanager) with SLO-driven capacity planning

Hybrid CI/CD with Dynamic Runner Routing

GitLab Runners, AKS, Jenkins, Docker, Android AOSP, QNX, NONHLOS

- Architected dynamic runner routing system: checks 4 Dell HPC servers availability first, routes to on-premise with dynamic storage if available, otherwise routes to AKS with PVC
- Manage 4 GitLab runners building Android 15, AOSP, NONHLOS, QNX on hybrid infrastructure
- Implementing Jenkins parallel to GitLab runners for Azure deployment integration on APEC side

Smrtmart E-commerce Platform & Multi-Cloud Applications

Go, React, Vercel, Heroku, Supabase, Spring Boot, Azure, AWS, Terraform

- Built full-stack e-commerce platform (smrtmart.com): React frontend on Vercel, Go backend on Heroku, PostgreSQL on Supabase
- Deployed multi-cloud applications with Infrastructure as Code for high availability
- Personal portfolio: bluehawana.com — Demos: jobs.bluehawana.com, weather.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 Göteborg - Master's Degree in International Business — 2016-2019

Cloud Certifications

- AWS Certified Solutions Architect - Associate (Aug 2022)
- AWS Certified Developer - Associate (Nov 2022)
- Microsoft Certified: Azure Fundamentals (Jun 2022)
- **Currently Preparing:** Azure Developer Associate (AZ-204)

Additional Qualifications

- **Languages:** Fluent in English and Mandarin Chinese; Swedish (B2 level) for effective communication in Swedish work environments
- **Driving License:** Swedish B, Chinese C
- **Cloud-Native Expertise:** Active contributor to Cloud Native Computing Foundation (CNCF) community; Currently preparing CNCF CKAD certification
- **Community Engagement:** Active participant in cloud development teams and Meetup groups; Regular attendee of cloud-native and DevOps community events
- **Sustainability Focus:** Passionate about leveraging technology for environmental impact and climate-neutral solutions
- **Automotive Experience:** Over 1 year in automotive technology sector with infrastructure and DevOps expertise
- **Global Collaboration:** Proven ability to collaborate effectively within global distributed teams across multiple time zones and cultures