



Khaleel Ahmad

DevOps Engineer · CKA · AWS & Kubernetes

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EXPERIENCE

Ericsson

DevOps Engineer

Lahore, Pakistan

Jul 2023 – Jan 2025

- Deployed AWS EKS clusters for Zain Iraq's 4G/5G KPI reporting serving **74M+ subscribers** and managed upgrades without downtime.
- Wrote Terraform modules for EKS, RDS, S3, ALB, and IAM and cut environment provisioning from **1 to 2 days down to 20 minutes**.
- Set up GitHub Actions and ArgoCD for GitOps deployments and cut release cycle time by **60%**.
- Set up Prometheus, Grafana, and ELK with alerting rules for service health and reduced incident detection time by **50%**.
- Built Flask microservices with MongoDB for internal reporting and resolved latency issues causing **40% slower API** response under load.
- Handled IAM design and Active Directory integration and set up VPN-based ingestion pipelines for XML data into AWS S3.
- Onboarded 3 engineers onto Kubernetes and GitOps and wrote internal runbooks still used by the team today.

Ericsson

Data Engineer

Lahore, Pakistan

May 2022 – Jun 2023

- Built Airflow pipelines in Python to process **12,000+ XML files daily** representing Jazz Pakistan network tower KPIs.
- Automated MSSQL workflows with Python and rewrote slow T-SQL queries, cutting overnight batch processing time by **30%**.
- Switched XML parsing from sequential to multiprocessing and sped up throughput by **90%** on the same hardware.
- Managed VMware ESXi 6/7 and vCenter at Jazz data center and handled RAID, VM provisioning, and HPE iLO access.
- Wrote Ansible playbooks using VMware Galaxy modules to automate OS config and software installs across the VM fleet.
- Delivered Delta Scanner, Baseline Comparator, and Cell Comparator tools used daily by the network ops team.
- Worked with Evernex on-site to swap failed HPE drives and PSUs through two hardware failure incidents.

Hello App

DevOps Engineer

Remote, Singapore

Jan 2020 – Jul 2022

- Kept **50+ applications** running across AWS, GCP, Azure, and DigitalOcean at **99.9% uptime** over two years.
- Wrote Bash and Python scripts to automate server setup and deployments, cutting provisioning time by **60%**.
- Managed 50+ production websites on WHM/cPanel, CloudPanel, and ISPConfig and handled SSL, domains, and server config.
- Deployed Django, Flask, and WordPress apps across cloud providers with nginx load balancing and CDN.
- Connected REST APIs and third-party services between platforms and kept data flows reliable across vendors.
- Handled Linux server security including firewall rules, patch cycles, and incident response in production.
- Wrote deployment runbooks and onboarding docs used by new team members to get up to speed independently.

EDUCATION

M.S. Artificial Intelligence	BTU Cottbus-Senftenberg, Germany	2025 – Present
B.S. Computer Science	Information Technology University (ITU), Pakistan	2016 – 2021

TECHNICAL SKILLS

Container & Orchestration	Kubernetes · AWS EKS · OpenShift · K3S · Helm · Kustomize · Docker · Docker Swarm
IaC & Automation	Terraform · Ansible · Ansible Galaxy · Bash · Python · HCL · Jinja2
CI/CD & GitOps	GitHub Actions · ArgoCD · Azure DevOps · Jenkins · GitLab CI · GitOps · SonarQube
Cloud Platforms	AWS (EKS, ECS, EC2, S3, RDS, ALB, IAM, CloudFront) · Azure · GCP · DigitalOcean
Observability	Prometheus · Grafana · ELK Stack · Azure Monitor · SNMP · Alertmanager
Data Platforms	Azure Databricks · Apache Airflow · Apache Spark · PySpark
Systems & Virtualization	Linux · VMware ESXi/vCenter · HPE iLO · RAID · Networking
Programming	Python · Bash · C/C++ · Java · SQL · Django · Flask
Databases	MSSQL · PostgreSQL · MongoDB · Redis · Oracle

CERTIFICATIONS

- 2024 **Certified Kubernetes Administrator (CKA)**, Linux Foundation
- 2023 **Linux Foundation Certified Sysadmin (LFCS)**, Linux Foundation
- 2023 **Containerized Applications on AWS**, Amazon Web Services
- 2023 **Getting Started with GKE**, Google Cloud
- 2023 **Container & Kubernetes Essentials v2**, IBM
- 2022 **Ansible for Network Automation**, Cisco

PROJECTS

Ericsson

Tech Migration: Ericsson GSC China to AWS

2023 – 2024

- Moved Zain Iraq KPI reporting from manual laptop workflows to AWS EKS using Terraform, ArgoCD, and GitHub Actions.
- Containerized legacy Python scripts and set up Prometheus and Grafana so the team could operate services independently.

Ericsson

Bare Metal Infrastructure: Jazz Data Center

2022 – 2023

- Set up HPE bare-metal servers with VMware ESXi and vCenter and built SNMP monitoring and Ansible automation for the VM fleet.
- Built KPI tools (Delta Scanner, Baseline Comparator) the network ops team used daily to spot anomalies across 12,000+ towers.

LANGUAGES

- English** C1 Professional
- German** B1
- Urdu** Native