Khaleel Ahmad

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○ github.com/khaleel-git | in linkedin.com/in/khaleel-ahmad | ⚭ khaleel.eu

Skills

Programming: Python, Java, C, C++ 11/14/17, C#, Bash, OOP
Systems: Linux, Virtualization (VMWare ESXI, VCenter), Operating Systems (Debian, Ubuntu, CentOS, Red hat)
DevOPS Tools: Kubernetes (Helm, Kustomize), Docker, Ansible, Terraform
CI/CD: GitHub, GitHub Actions, Jenkins, GitOps (ArgoCD), GitLab
Cloud: AWS, GCP, Azure, IBM, Digital Ocean, Alibaba
Technologies: Scrum/Agile, Jira/Kanban, ELK, Grafana, Databases (MSSQL, PostgreSQL, MongoDB)
Languages: English (C1) & Deutsch (A2)

Education

MS Artificial Intelligence   **BTU Cottbus-Senftenberg**   *Cottbus, Deutschland*
04.2025 – Present
- Specialization in AI/ML Distributed Systems

BS Computer Science   **Information Technology University**   *Lahore, Pakistan*
09.2016 – 02.2021
- Specialization in Computer Science

Experience

DevOPS Engineer   **Ericsson-Worldwide**   *Lahore, Pakistan*

07.2023 – 01.2025

- Deployed and managed containerized workloads on Kubernetes (AWS), ensuring high availability and scalability.
- Automated 70% of infrastructure provisioning using Terraform and Ansible, significantly reducing manual intervention.
- Improved deployment speed by 60% via CI pipelines with GitHub Actions.
- Installed and maintained private cloud (VMware ESXi 6/7, vSphere) supporting 50+ VMs.
- Delivered Flask-based microservices with MongoDB, reducing API latency by 40% and improving system responsiveness.
- Trained and managed new hires.

Data Engineer   **Ericsson-Worldwide**   *Lahore, Pakistan*

05.2022 – 06.2022

- Automated MSSQL workflows with Python and pymssql, reducing data processing time by 30%
- Improved XML parsing speed by 90% on Jazz OSS files using multiprocessing, enhancing data pipeline performance
- Managed VMware/vCenter environments, RAID storage, and ILO server infrastructure.
- Developed distributed data workflows for high-volume operations.
- Created and optimized heavy-load T-SQL queries; administered MSSQL databases.

DevOPS Engineer   **HelloApp**   *Remote, Singapore*

01.2020 – 07.2022
- Managed multi-cloud infrastructure for 50+ applications across AWS, GCP, Azure, DigitalOcean, Vultr & Linode, ensuring 99.9% SLA uptime and high availability.
- Deployed and administered 50+ websites using WHM/cPanel, Vesta, CloudPanel, and ISPConfig streaming web hosting operations.
- Deployed scalable WordPress and Python (Django/Flask) applications.

Projects

DevOps/SRE CKA Practical Course |

- Developing a comprehensive DevOps/SRE course covering Terraform, Ansible, Kubernetes, Docker, Docker Swarm, AWS (ECS, EKS), Django, Python, Shell scripting, HCL, and Jinja2.

- Creating practical exercises, real-world use cases, and detailed tutorials for learners.

- Including Kubernetes interview questions, scenarios, and use cases to prepare learners for real-world challenges.

Tech Migration from Ericsson GSC China |

- Migrated infrastructure and automated workflows from Ericsson GSC China to AWS and internal VPS, ensuring smooth, uninterrupted system operations.

- Re-engineered data pipelines using Apache Airflow and Python, boosting reliability and reducing manual intervention by 40%.

APKFuel.com - Cloud-Based APK Downloader |

- Built a cloud-native APK downloader using Python web scraping, Selenium, and PHP.

- Deployed on multiple clouds (GCP, AWS, Azure, DigitalOcean) from 2019 to 2022, utilizing AWS CloudFront and S3 for media storage.

- Integrated S3 storage with CloudFront and WordPress via a custom PHP plugin for seamless media management.

Courses

- Ansible for Network Automation
- Computer Organization & Architecture
- Data Structures and Algorithms
- Operating Systems
- Machine Learning
- Databases (Oracle Cloud)

Certificates/Achievements

- Certified Kubernetes Administrator (CKA) - Linux Foundation |
- Containerized Applications on AWS – Amazon Web Services |
- Getting Started with GKE – Google Cloud |
- Container & Kubernetes Essentials v2 |
- Ansible for Network Automation |
- Mastering Ansible Automation – Codio |

Hobbies

- Open-source project contribution / working on side projects
- Online certifications
- RND (Research & Development)
- Hiking & Vlogging

Signature: