Khaleel Ahmad

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Education

BTU Cottbus-Senftenberg, Germany Apr 2025 – Present

Master of Science in Artificial Intelligence

Relevant Coursework: Network and System Security, Distributed Computing in ML, Logic in Databases

Information Technology University, Pakistan Sep 2016 – Feb 2021

Bachelor of Science in Computer Science

Skills

Languages: Python, Java, C, C++, HTML/CSS, Bash

Databases: MSSQL, MySQL, PostgreSQL, MongoDB

DevOPS: Linux (Debian, Ubuntu, CentOS), Kubernetes, Docker, Git, Ansible, Terraform

CI/CD: GitHub Actions, Jenkins, ArgoCD

Frameworks: Flask, Django, Node.js, Bootstrap

Cloud: VMware, AWS, GCP, Azure, IBM, Digital Ocean, Alibaba

Experience

Ericsson July 2023 – Jan 2025

DevOPS Engineer

- 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.

Ericsson Aug 2022 – Jun 2023

Data Services Engineer

- 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.

HelloApp Jan 2020 – July 2022

DevOPS Engineer

- 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, streamlining web hosting operations.
- Deployed scalable WordPress and Python applications, enhancing cloud infrastructure efficiency and performance.

Projects

DevOps/SRE CKA Practical Course ⬡ Apr 2024 – Present

Tech Stack: Terraform, Ansible, Kubernetes, Docker, AWS (ECS, EKS), Python, Jinja2

- 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 ⬡ Mar 2023 – Jun 2024

Tech Stack: Python, Apache Airflow, AWS, MSSQL, Linux, Shell Scripting, Internal VPS, CI/CD

- 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 ⬡ Jan 2020 – July 2022

Tech Stack: Python, Django, Bootstrap, AWS (S3), Heroku, HTML/CSS

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