

Khaleel Ahmad

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Education

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| BTU Cottbus-Senftenberg, Germany Master of Science in Artificial Intelligence Relevant Coursework: Network and System Security, Distributed Computing in ML, Logic in Databases | Apr 2025 – Present |
| Information Technology University, Pakistan Bachelor of Science in Computer Science | Sep 2016 – Feb 2021 |

Skills

Languages: Python, Java, C, C++, Bash, Zsh, HCL (terraform)

Databases: MSSQL, MySQL, PostgreSQL, MongoDB

DevOPS: Linux (Debian, Ubuntu, CentOS), Kubernetes, Docker, Git, Ansible, Terraform, CI/CD (GitHub Actions)

Frameworks & Monitoring: Flask, Django, Node.js, ReactJS, Prometheus, Grafana

Data Engineering: Apache Airflow (CI/CD & ETL Pipeline), PowerBi Dashboards

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

Experience

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| Ericsson Data (Platform) & AI Engineer | Aug 2022 – Feb 2025 |
| • Automated MSSQL workflows with Python and pymssql, reducing data processing time by 30%. | |
| • Improved XML parsing speed by 90% on Jazz OSS files with distributed servers, enhancing data pipeline performance. | |
| • Managed VMware/vCenter environments, RAID storage, and ILO server infrastructure. | |
| • Provisioned distributed VMware server architecture on HPE virtual machines using Terraform and Ansible. | |
| • Designed and implemented distributed data workflows using Apache Airflow for high-volume operations. | |
| • Created and optimized heavy-load T-SQL queries; administered MSSQL databases. | |

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| Hello App Linux System Administrator & Python Developer | Jan 2020 – July 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, streamlining web hosting operations. | |
| • Deployed scalable WordPress and Python applications, enhancing cloud infrastructure efficiency and performance. | |

Projects

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| Tech Migration from Ericsson GSC China  | Mar 2023 – Jun 2024 |
| Tech Stack: Python, Apache Airflow (Workflow Orchestration / CI/CD), AWS, MSSQL, Linux, Bash, On-prem VPS | |
| • Migrated critical infrastructure and automated workflows from Ericsson GSC China to AWS and internal VPS infrastructure, ensuring zero-downtime system operations. | |
| • Re-engineered data pipelines using Apache Airflow and Python, improving reliability and reducing manual intervention by 40%. | |

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| Diversity Audit Ericsson/Jazz  | Mar 2023 – Jun 2024 |
| Tech Stack: Python, Custom Distributed Processing (VMware-based VPS Cluster), MSSQL, Pandas, NumPy | |
| • Accelerated data processing time from 12 hours to 1 hour by implementing distributed computing across 4 servers, achieving a 12x performance improvement. | |
| • Designed custom distributed computing framework (Hadoop/PySpark-inspired) to process 30,000 XML files daily for diversity reporting workflows | |

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| Delta Scanner Ericsson/Jazz  | Mar 2023 – Jun 2024 |
| Tech Stack: Python, pymssql, Custom Distributed Processing, Multiprocessing, XQuery | |
| • Developed real-time monitoring solution using multiprocessing and custom distributed computing to analyze 30,000 XML files for parameter value changes. | |
| • Generated automated delta reports for Jazz Network infrastructure, enabling proactive network configuration management. | |

Certifications

Certified Kubernetes Administrator (CKA) 

Containerized Applications on AWS 

Python Data Structures 

Mastering Ansible Automation 