

# Khaleel Ahmad

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## Education

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| <b>BTU Cottbus-Senftenberg, Germany</b><br>Master of Science in Artificial Intelligence<br>Relevant Coursework: Network and System Security, Distributed Computing in ML, Logic in Databases | Apr 2025 – Present  |
| <b>Information Technology University, Pakistan</b><br>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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| <b>Ericsson</b><br>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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| <b>Hello App</b><br>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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| <b>Tech Migration from Ericsson GSC China</b>                                     | Mar 2023 – Jun 2024 |
| Tech Stack: Python, Apache Airflow, AWS, MSSQL, Linux, Shell Scripting, Internal VPS, CI/CD  |                     |
| • 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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| <b>Diversity Audit   Ericsson/Jazz</b>                                   | Mar 2023 – Jun 2024 |
| Tech Stack: Python, Apache Airflow, AWS, MSSQL, Linux, Shell Scripting, Internal VPS, CI/CD   |                     |
| • 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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| <b>Delta Scanner   Ericsson/Jazz</b>                                   | Mar 2023 – Jun 2024 |
| Tech Stack: Python, Apache Airflow, AWS, MSSQL, Linux, Shell Scripting, Internal VPS, CI/CD   |                     |
| • 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 