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++, 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

Ericsson   Aug 2022 – Feb 2025
Data (Platform) & AI Engineer
- 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.

Hello App   Jan 2020 – July 2022
Linux System Administrator & Python Developer
- 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

Tech Migration from Ericsson GSC China 𝐢𝐧   Dec 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%.

Diversity Audit | Ericsson/Jazz 𝐢𝐧   Feb 2023 – May 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

Delta Scanner | Ericsson/Jazz 𝐢𝐧   Nov 2022 – Aug 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