**Khaleel Ahmad**

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[](https://khaleel.eu/)[](https://github.com/khaleel-git/)[github.com/khaleel-git](https://github.com/khaleel-git) | [](https://linkedin.com/in/khaleel-ahmad/) [linkedin.com/in/khaleel-ahmad](https://linkedin.com/in/khaleel-ahmad/) | [khaleel.eu](https://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 Electrical Engineering Information Technology**  *Lahore, Pakistan*

09.2016 – 02.2021 **University**

* 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

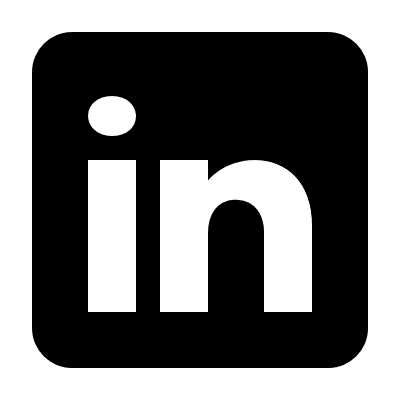
## [DevOps/SRE CKA Practical Course |](https://github.com/khaleel-git/DevOPS)

## 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 |](https://www.linkedin.com/in/khaleel-ahmad/details/projects/)

* + 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%.

[](https://github.com/khaleel-git/)

## [APKFuel.com - Cloud-Based APK Downloader |](https://github.com/khaleel-git/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.

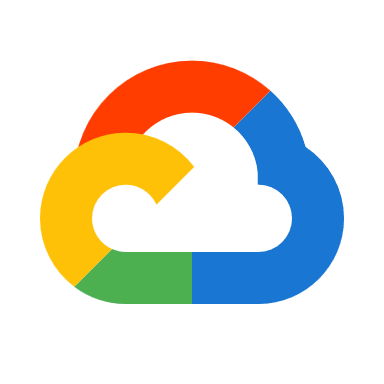
## Integrated S3 storage with CloudFront and WordPress via a custom PHP plugin for seamless media management.

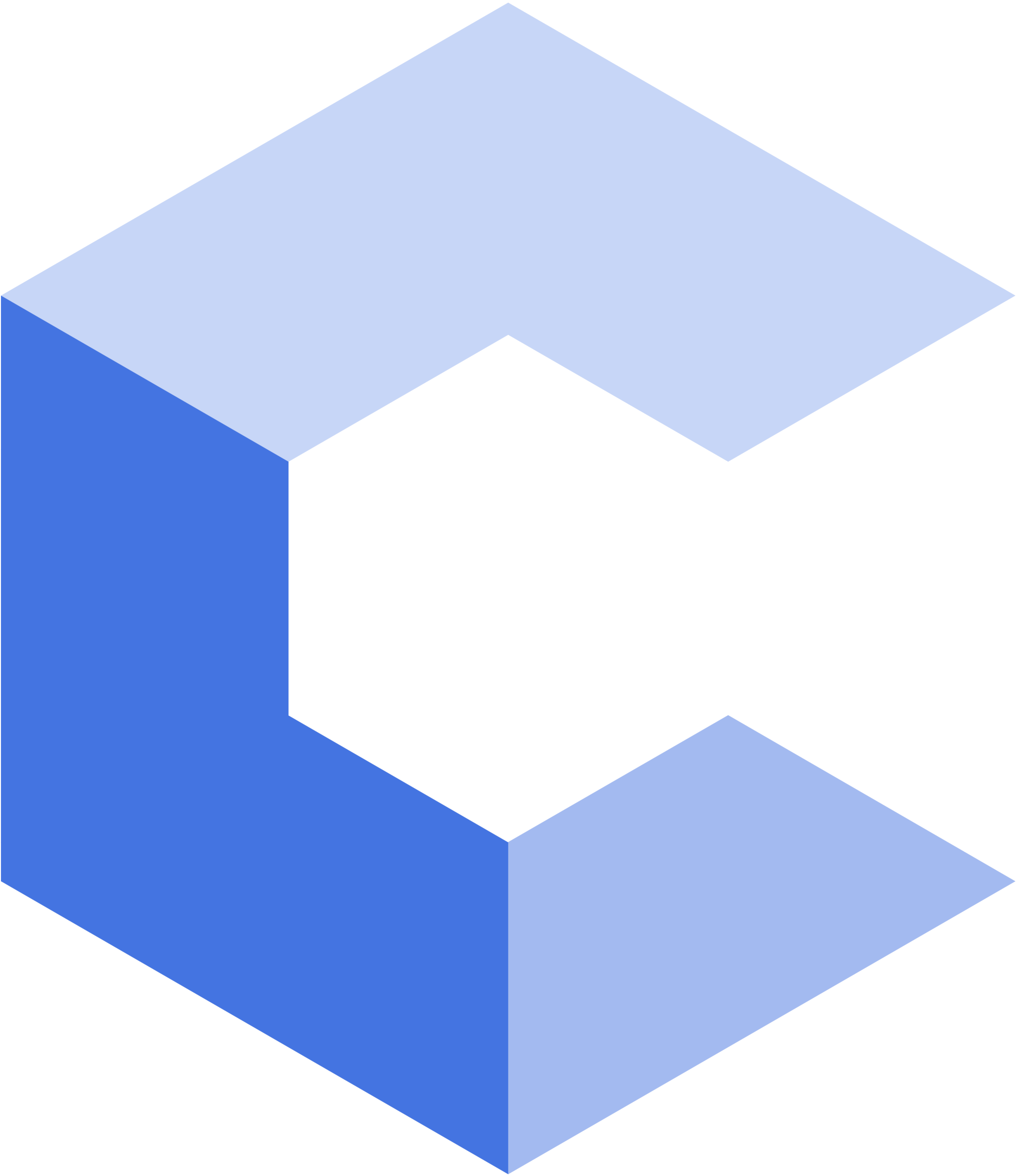
# Courses

* + Linux Foundation Certified Sysadmin (LFCS) • Operating Systems
  + Computer Organization & Architecture • Machine Learning
  + Data Structures and Algorithms • Databases (Oracle Cloud)
  + Networks and System Security
  + Computing at Scale in Machine Learning: Distributed Computing

# Certificates/Achievements

* [Certified Kubernetes Administrator (CKA) - Linux Foundation |](https://www.credly.com/badges/2e7916a9-0972-4971-a1b5-374d22c5a24b/public_url)
* A logo with a smile

  AI-generated content may be incorrect.[Containerized Applications on AWS – Amazon Web Services |](https://www.coursera.org/account/accomplishments/verify/FYK1HP4OXYOQ)
* [Getting Started with GKE – Google Cloud |](https://www.coursera.org/account/accomplishments/certificate/U3NHYYZ4QSSN)
* [IBM Cloud Kubernetes Certification IconContainer & Kubernetes Essentials v2 |](https://www.credly.com/badges/ba352293-ec5d-471a-8c16-6873f6b779d7)
* ![A blue and black logo

  AI-generated content may be incorrect.](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAEMAAAAjBAMAAAA9EKoaAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAtUExURQAAAASf2QCe2wSe2QCh2QCh2gOf2AKf2QSe2AKd2QOe1gCV1QOe2QOe2QSe2O7TB74AAAAPdFJOUwD/FY4bROaV+4WpDMPz/uWjyBgAAAAJcEhZcwAAIdUAACHVAQSctJ0AAACoSURBVDjL1ZHBDcIwDEX9D6CKU/+dCyOwQUdilK7CKIzAJjSOG7uRe0OoWMqXv/Ws2ImIBUfZRO8PhMBK2PFm15P5ryDoSomPduccCfn5T/9TcJkftKSo540w5KZlKAIGBg0h76N2sCodmVTtvbDoSRX0e2RFaEnVc7upJhXhIyCSIL5aj3it5I4MDQHnOEIZ9KL6DBv50mS6tEQkfzqfkrwW+9L2txEf9fAZBSXkvlAAAAAASUVORK5CYII=)[Ansible for Network Automation |](https://www.coursera.org/account/accomplishments/certificate/BAJ24JH7XB39)
* [Mastering Ansible Automation – Codio |](https://www.coursera.org/account/accomplishments/verify/6HPAZT4TY4R7)

# Hobbies

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

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**Signature:**