

Ahtasham Rabbani

Principal Cloud & AI Solution Architect

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SUMMARY

- **Seasoned Cloud & AI Solution Architect with 18+ years of global experience** designing and delivering large-scale cloud infrastructure, AI platforms, and virtualization architectures across complex multi-cloud environments for telecom and enterprise sectors.
 - Proven track record of leading **enterprise cloud transformation and AI innovation**, delivering measurable outcomes including **40% cost reduction, 25% improvement in platform reliability, and 40% performance gains** through cloud-native modernization and data-driven platforms.
 - Designed **AI-powered telecom intelligence platforms**, including fraud detection, threat prediction, and network analytics systems, leveraging Big Data, machine learning, and **DeepSeek LLM with multi-agent architecture** to analyze telecom datasets and detect anomalous network behavior.
 - **Define enterprise cloud and AI architecture strategies while engaging C-level stakeholders** to drive digital transformation and scalable technology adoption.
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CORE TECHNICAL EXPERTISE

Cloud Architecture and Multi Cloud Platforms:

- Designed **300+ enterprise cloud architectures** across telecom and enterprise environments, optimizing performance, security, scalability, and cost across multi-cloud infrastructures.
- Platforms: **AWS, OpenStack, Huawei Cloud, VMware.**
- Key Technologies & Services: AWS (IAM, EC2, ECS, EKS, Lambda, S3, CloudWatch, RDS, CloudFormation, CloudFront), OpenStack (Nova, Cinder, Neutron) Huawei Cloud (ECS, EVS, OBS)
- **Notable Project: Designed and deployed an OpenStack NFV platform for a European telecom operator in Romania.**

Artificial Intelligence & Data Platforms:

- Designed AI-driven telecom analytics platforms for fraud detection and anomaly detection.
- **Built telecom fraud detection using DeepSeek LLM with multi-agent architecture.**
- Key Technologies: Python, Spark, Kafka, Hadoop, DeepSeek LLM, Relational Databases (MySQL, PostgreSQL), Non-Relational (MongoDB, Cassandra, Influx). **Proficient in Oracle Database, data visualization and analysis tools.**

Cloud-Native, DevOps & Automation:

- **Kubernetes, Docker, Podman, Docker Swarm.**
- SCRUM, Jenkins, GitLab CI, Git.
- Infrastructure automation: **Terraform, Ansible.**
- **Notable Project:** Led microservices modernization for telecom operator in Turkey.

Operating Systems & Infrastructure:

- **Linux (Enterprise server environments):** system configuration, performance tuning, security hardening, user and permission management.
- **Windows Server 2012 / 2016 / 2019:** installation, configuration, administration.
- Enterprise services: **Active Directory, Group Policy, Windows Security**, backup and disaster recovery.

Programming & API Development:

- Languages: Python, Java, C++, C#.
- Experience developing backend services and system integrations using **REST APIs and API gateways**.
- Service mesh and microservice communication using **Istio**.

Communication & Technical Documentation

- **Delivered 10+ international conference keynotes and 100+ CXO-level workshops.**
- Led development of enterprise technical documentation including **RFI, RFP, SOC, and solution use cases**.
- Strong ability to translate complex architecture concepts into clear business value for executive stakeholders.

Problem Solving & Architecture Design

- Strong analytical and troubleshooting skills across distributed cloud and telecom systems.
- **Notable Project: Designed Enterprise Business Cloud architecture for a telecom operator in Somalia (2024)** addressing scalability, reliability, and cost optimization.

Technical Leadership

- **Led Solution Architecture (SA) teams across global telecom and enterprise projects.**
- Mentored junior architects and promoted architecture best practices.
- **Notable Project:** Delivered cloud and digital transformation initiatives across **Turkey, Somalia, Kenya, and Saudi Arabia**.

Continuous Learning & Innovation

- Continuously expanding expertise in **cloud-native platforms, distributed systems, AI architectures, and DevOps practices**.
- Actively tracking emerging technologies in **cloud infrastructure, AI platforms, and modern software architectures**.

EXPERIENCE

Principal Solution Architect (Cloud & AI Infrastructure)

April 2025 – Now

Huawei Technologies, LLC, Abu Dhabi, United Arab Emirates

<https://www.huawei.com/en/>

Principal Cloud & AI Solution Architect for Huawei's **e& (Etisalat UAE) strategic account**, leading large-scale cloud transformation and AI initiatives across **16 operating companies**, enabling next-generation telecom platforms powered by Huawei Cloud Stack (HCS), AI, and Big Data architectures.

Key Responsibilities & Achievements:

- **Cloud Transformation Leadership** – Architected and led the migration of **e& UAE from VMware infrastructure to Huawei Cloud Stack**, enabling private cloud modernization with improved scalability, operational efficiency, and cost optimization.
- **AI-Powered Telecom Fraud Detection** – Designed and implemented an **AI-driven telecom fraud detection platform using DeepSeek LLM with a multi-agent architecture**, analyzing telecom CDR datasets to identify SIM Box fraud and abnormal network behavior.
- **Enterprise IT Modernization** – Serving as technical authority for migration and modernization of **OSS, BSS, CRM, OA**, and mission-critical enterprise systems, transitioning legacy workloads to cloud-native platforms.
- **End-to-End Cloud & AI Solutions** – Leading PoCs, pilots, and production deployments across **compute, storage, networking, security, and AI workloads**, ensuring successful adoption and measurable business outcomes.

- **Executive Technology Leadership** – Delivering architecture workshops, executive briefings, and solution demonstrations for senior leadership, aligning **Huawei’s multi-cloud and AI strategy with e&’s digital transformation roadmap.**
- **Strategic Cloud & AI Growth** – Driving adoption of cloud and AI platforms across **16 e& operating companies**, shaping technology strategy and enabling scalable telecom and enterprise solutions.

Senior Cloud Solution Architect

Nov 2014 – March 2025

Huawei Cloud Computing Technologies Headquarters Pvt. Ltd, Shenzhen, P.R. China

<https://www.huaweicloud.com/intl/en-us/>

- Designed and delivered **Huawei Cloud (Private, Public, Hybrid) solutions for 300+ enterprise customers** across telecom, finance, government, and manufacturing sectors.
- Architected a **cloud-native blockchain platform using Kubernetes and Docker on Huawei Cloud and AWS**, improving roaming transaction validation speed by **40%** for a telecom operator in South Africa.
- Led migration of an **enterprise video conferencing platform serving 8,000 users** from legacy infrastructure to Huawei Public Cloud, reducing infrastructure costs by **40%** and improving reliability by **25%** for a telecom operator in Turkey.
- Designed **DevOps-driven payment platform architecture with PostgreSQL on Huawei Private Cloud**, improving system efficiency by **30%** for the largest bank in Pakistan.
- Migrated **20+ government service applications from VMware to Huawei Public Cloud**, reducing deployment time by **75%** and improving performance by **40%**.
- Implemented **cloud-native microservices architectures and monitoring platforms (Prometheus, Grafana)** improving operational visibility by **40%** and reducing operational costs by **20%**.
- Led **50+ RFI/RFP architecture proposals and technical workshops**, delivering PoCs for **140+ enterprise customers** and contributing to **30% revenue growth**.

Solution Architect

Mar 2006 - Oct 2014

ZTE Corporation R&D Center, Nanjing, P.R. China

<https://online.iwhalecloud.com/>

- Translated **70+ telecom IT business requirements into cloud and virtualization architectures** for telecom operators across multiple regions.
- Led migration of legacy telecom platforms (**CRBT, MMS, IPTV**) to **OpenStack-based private cloud**, supporting **1M+ users** for a telecom operator in Kenya.
- Designed a **cost-efficient OpenStack private cloud platform** for a high-traffic mobile application, reducing infrastructure costs by **30%** and improving access speed by **20%** for a telecom operator in Qatar.
- Architected a **KVM-based Machine-to-Machine (M2M) virtualization platform**, improving enterprise connectivity efficiency by **40%** for a telecom operator in South Africa.
- Collaborated with cross-functional teams to replicate successful cloud deployment models across projects, increasing **project success rates by 30%** and reducing **delivery time by 20%**.

Senior Network Engineer

Mar 2004 - Mar 2006

Nextera Telecommunications (Pvt) Limited, Islamabad, Pakistan

- Configured and managed enterprise networking infrastructure including **Cisco and Foundry switches, routers, and Fortinet firewalls**, supporting cloud-based service platforms.
- Led **24/7 network operations teams (20 engineers)** managing infrastructure across **16 telecom sites in five provinces in Pakistan**.

EDUCATION

Bachelor of Science (BSc) in Computer Science

Allama Iqbal Open University — Islamabad, Pakistan | 2004

LICENSES & CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate** — Amazon Web Services | 2024
 - **Huawei Cloud Service Solution Architect** — Huawei Technologies | 2022
 - **Cisco Certified Network Associate (CCNA)** — Cisco | 2009
 - **Foundry Network Certified Engineer** — Foundry Networks | 2006
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HONORS & AWARDS

- **Chinese Green Card Holder** — Recognized for contributions to China's IT industry | 2024
 - **Australian Global Talent Permanent Residency (Subclass 858)** — Exceptional IT Talent | 2022
 - **Huawei Cloud Marketing & Solution Sales Champion Award** | 2023
Recognized for technical leadership supporting VMware migration and Huawei private cloud upgrades.
 - **Huawei Cloud Future Star Award** | 2023
Led strategic projects including Turkcell internal IT cloud and Somalia HTG 2B cloud.
 - **Huawei Cloud Solution Capability Improvement Award** | 2022
Recognized as Solution Architect role model within a global team of 700+ architects.
 - **Huawei Cloud & AI Prestigious Solution Architect Award** | 2021
Led strategic architecture initiatives and developed scenario-based solutions.
 - **Huawei Cloud Quality Star Award** | 2020
Delivered CXO workshops and international conference presentations; produced technical training for global teams.
 - **Huawei Cloud BU President Commendation** | 2020
Recognized for accelerating global cloud deployment strategies and regional solution innovation.
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LANGUAGES

- **English** — Professional Proficiency
- **Urdu / Hindi** — Native Proficiency
- **Chinese** — Intermediate Proficiency
- **Arabic** — Intermediate Proficiency