

# Muhammad Nabeel

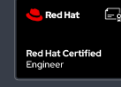
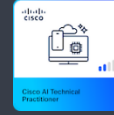
## CTO - Enterprise Platform Architect

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CTO and technology leader with 11+ years of experience building and scaling AI-driven, cloud-native platforms serving millions of users across telecom and OTT ecosystems. Proven track record of owning end-to-end technology strategy, leading high-performing engineering teams, and delivering resilient, data-driven products at scale. Expert in distributed systems, DevOps, and cost-efficient global infrastructure.

## Work History

**2024-05 – Current**

### CTO / SVP Enterprise Service

*Begin Watch FZ LLC | Walee Technologies, Islamabad*

As CTO at Begin Watch, I drive global technology strategy, budgeting, and research while leading teams to deliver AI-enabled, cloud-native OTT and digital platforms. My role spans enterprise architecture, product innovation, and cross-functional leadership to ensure scalable, secure, and cost-optimized solutions aligned with business growth.

**2022-11 – 2024-05**

### Manager Digital Products

*Jazz (Formerly Mobilink), Islamabad*

Oversaw enterprise architecture for digital and telecom products, managing the full product lifecycle from conception to deployment. Enhanced the tech ecosystem through agile and DevOps practices, delivered innovative solutions, and developed a platform supporting 4.8M concurrent users. Also, manage budget planning and product reviews to drive success.

**2018-08 - 2022-10**

### Sr Manager Systems & Networks

*Convex Interactive Pvt Ltd, Karachi*

**2018-02 - 2018-07**

### Deputy Manager Business Technology

*Alkaram Textile Mills Pvt Ltd, Karachi*

**2016-04 - 2018-02**

### Senior Network Engineer

*Convex Interactive Pvt Ltd, Karachi*

**2014-11 - 2016-04**

### Network Operations Engineer | ENOC

*Telecard Pvt Ltd, Karachi*

## Technical Skills

Technology Strategy & Digital Transformation (Telco/OTT) | Enterprise Architecture (BSS/OSS Ecosystems) | AI & Data Monetization | Cloud-Native & Hybrid Platforms (AWS, OpenShift) | Scalable Distributed Systems & High Availability | DevOps, SRE & Platform Engineering | Cybersecurity & Regulatory Compliance (ISO 27001, Telecom) | 5G, CDN & Streaming Technologies | Digital Product & Revenue Enablement | CAPEX/OPEX Optimization & Vendor Strategy | Customer Experience & Data Analytics | Executive Leadership & Stakeholder Management

## Education

**2016-08 - 2018-12**

### Master of Science: Information Security

*NED University of Engineering and Technology - Karachi, Pakistan CGPA 3.04*

**2010-01 - 2013-12**

### Bachelor of Engineering: Telecommunications Engineering

## Certifications

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**Red Hat Certified OpenShift administrator (RHCSA/RHCE/RHOSA)** Credential ID: 210-098646

**AWS Certified Solutions Architect - Associate** Credential ID: 4TVVS8EDQMEQ1PC2

**Cisco AITECH Practitioner** - Credential ID: 4584b632-5edb-4c6d-ac51-d2361a03c078

**Fortinet NSE-4 6.0** Credential ID: FORT052753

## Projects

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### **Begin.Watch – A cross-regional OTT Platform | CTO**

I secured international cloud partnerships with 70% cost savings, led systems design and telecom integrations, and revamped the full product stack (mobile, web, backend, DB). I closed deals with top content protection partners to fight piracy, introduced Business Intelligence frameworks, and built a high-performing cross-functional team, driving scalability, reducing costs, and strengthened Begin's position as a leading global OTT player.

### **Tamasha TV - A Mobile TV OTT Platform (Android, IOS, Web) | Technical Solution Architect**

Designed and scaled jazz OTT platform on AWS with hybrid cloud architecture, leveraging DevOps for seamless feature integration. Supported millions of users with high availability, achieving top market ranking in Pakistan.

### **Jazz Madvertiser - VoIP Based Mobile Advertising Platform | Systems Architect**

A key success: I virtualized the infrastructure, improving resource use and scalability. Our VAS system, built on RHEL, employs SIP, Asterisk, MariaDB, and Apache. It is linked to Jazz SBC, managing 350,000 daily calls, and integrating seamlessly with Convex SMS gateway.

### **Zong TV - OTT Platform (Android, IOS, Web) | Technical Solution Architect**

As Zong TV Solutions Architect, I designed a high-available Ubuntu-based system with MariaDB, HAProxy, Redis Cache, and CDNs for low-latency streaming. Seamless integration with Zong BOSS, MML nodes, Jazz Cash, EasyPaisa, and more. I also implemented advanced analytics tools like Prometheus for enhanced system performance monitoring.

### **Zong Radio 7879 - VoIP Based Live TV platform | Systems Architect & VoIP Specialist**

Integrated platform with Zong SBC (7879), processed live audio through Asterisk, and used IVR for channel selection. Direct connections to Zong Boss and MML for efficient subscriptions. Notably, optimized live audio feeds and transcoding exclusively from TV channels on our IVR system.

### **Telenor MCVB - VoIP Based Mobile Advertising Platform | Systems Architect**

The latest addition to the Madvertiser family was the Missed Call Voice Booster service in Telenor. This new feature leverages Asterisk as a voice gateway and Kamailio as a SIP proxy, facilitating load sharing among backend Asterisk gateways. An important achievement was the implementation of efficient SIP traffic load sharing to ensure high throughput.

### **ISO 27001:2013 Implementation | Lead Implementer (Internal)**

I initiated and supervised the implementation of ISO 27001:2013 ISMS framework in Convex Interactive Pvt Ltd along with external security consultant. The external assessment Body "Brixton assessment services" recommended on 19th November 2020 that Convex Interactive Pvt Ltd is eligible to have ISO 27001:2013 ISMS certification without any major observations.

### **Mjnoon TV - OTT Platform (Android, IOS, Web) | Technical Solutions Architect**

My inaugural significant project, a pioneering endeavor in Pakistan. It operated on a freemium model, constituting an IPTV platform accessible via Android, iOS, and web. I embarked on this substantial project, conducting trials and assessments of different OTT frameworks.

## Leisure Pursuits

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Endurance sports | Fitness & wellbeing | Global travel & exploration | Community and education initiatives