

# UTHUMAN ALI

## Cloud Solutions Architect

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Abu Dhabi, UAE

### SUMMARY

A dedicated IT professional with 4.4 years of expertise in Cloud Architecture and DevOps Engineer in bridging the gap between development and operations to enhance productivity and streamline processes. Expert in designing and implementing robust CI/CD pipelines, ensuring smooth software deployment with minimal downtime and maximum efficiency. Proficient in DevOps tools and cloud technologies.

### EXPERIENCE

#### Cloud Architect

Tranetech Software Solutions 02/2024 - Present

Abu Dhabi, United Arab Emirates

Software Solution Company

- Architected and containerized e-commerce platforms using Docker and orchestrated services with Kubernetes, achieving high availability.
- Automated deployments and rollbacks using Helm charts, reducing deployment errors by 70%.
- Configured NGINX as a reverse proxy for backend APIs and static content delivery, enhancing page load times by 25%.
- Implemented secure communication using SSL/TLS and AWS WAF for DDoS protection.
- Automated infrastructure provisioning using Terraform and Ansible, reducing setup time by 40%.
- Developed and implemented CI/CD pipelines using Jenkins and GitLab CI/CD, enabling seamless application updates.
- Monitored and optimized database performance, resulting in a 30% improvement in query response times.
- Integrated logging and monitoring solutions (Prometheus, Grafana) to ensure system uptime and performance.

#### Cloud Solutions Architect

Axis Bank 07/2021 - 07/2023 Abu Dhabi, United Arab Emirates

Service Based

- Designed and deployed a cloud-native healthcare platform using Azure Kubernetes Service (AKS) for managing patient records securely.
- Integrated Azure Key Vault for managing sensitive credentials and ensuring compliance with HIPAA.
- Implemented Azure API Management to streamline API development and enable seamless integration with third-party healthcare providers.
- Optimized database performance by migrating to Azure SQL Database with Geo-replication, reducing latency by 25%.
- Automated CI/CD pipelines using Azure DevOps, reducing deployment time by 40%.
- Configured Application Insights to monitor application performance and identify bottlenecks in real-time.
- Architected a secure and scalable banking application using Azure App Services and Azure Functions for microservices.
- Implemented Azure Active Directory for user authentication and access control, ensuring compliance with PCI DSS standards.
- Designed disaster recovery solutions using Azure Backup and Azure Site Recovery, achieving an RPO of 15 minutes.
- Migrated legacy on-premises systems to Azure, reducing infrastructure costs by 30%.
- Setup Azure Traffic Manager for high availability and improved customer experience during traffic spikes.
- Deployed Azure Sentinel for proactive threat detection and mitigation.

### KEY ACHIEVEMENTS

#### Cost Reduction Success

Achieved 40% cost savings by migrating systems to Azure.

#### Deployment Efficiency

Reduced deployment errors by 22%.



EXPERIENCE

Linux System Admin

Perpetuuiti Technosoft PTE 07/2021 - 07/2023 Chennai, India  
Product Based

- Installed, configured, and maintained Linux servers to ensure optimal performance and uptime.
- Automated routine system administration tasks using shell scripts, improving operational efficiency by 30%.
- Monitored server health and performance using Nagios and Zabbix, addressing issues proactively to minimize downtime.
- Managed user accounts, permissions, and security policies in compliance with organizational standards.
- Configured and optimized web servers (Apache, NGINX) for hosting applications and websites.
- Set up and maintained secure file transfer services using FTP and SCP protocols.
- Implemented backup and recovery strategies using rsync and cron jobs, ensuring data integrity.
- Troubleshot and resolved hardware, software, and network issues to ensure uninterrupted operations.

EDUCATION

Bachelor of Engineering

Anna University  
2017 - 2021

LANGUAGES

English Proficient	<div><div></div><div></div><div></div><div></div><div></div></div>	Hindi Beginner	<div><div></div><div></div><div></div><div></div><div></div></div>
Germany Beginner	<div><div></div><div></div><div></div><div></div><div></div></div>	Tamil Native	<div><div></div><div></div><div></div><div></div><div></div></div>

CERTIFICATION

AWS Certified DevOps Engineer  
Udemy

Azure Administrator AZ104  
Microsoft

Completion of Jira  
Udemy

RHEL certified Specialist

Completed various projects including system migrations, server optimizations, and network configurations. Successfully managed the deployment and maintenance of critical applications, ensuring high availability and security. Collaborated with cross-functional teams to resolve issues and improve system performance.

PROJECTS

Healthcare IoT Integration

2023 - 2024 Abu Dhabi, United Arab Emirates  
Deploying a **Healthcare IoT Integration** on **Microsoft Azure** enables real-time monitoring, data analysis, and secure communication between medical devices, cloud services, and healthcare providers. The solution ensures compliance with healthcare standards, enhances patient care, and optimizes operational efficiency.

- Built a prototype for connecting IoT devices to Azure IoT Hub, monitoring patient vitals in real-time, and storing data securely in Azure Cosmos DB.

DRM for Banking Sector

Designed and implemented automated backup strategies, failover mechanisms, and recovery workflows to minimize downtime and data loss. Conducted regular DR drills to validate recovery time objectives (RTO) and recovery point objectives (RPO), ensuring compliance with industry standards and organizational requirements

- Developed a Disaster Recovery Management (DRM) plan on AWS, utilizing services such as AWS Backup, S3 Cross-Region Replication, RDS Multi-AZ, and CloudFormation to ensure business continuity and data resilience.
- Recover with in 15 min of RTO.

E-commerce Platform Optimization

Deploying an **E-commerce application** on the cloud using **AWS EC2** with **Node.js** follows a **three-tier architecture** for better **scalability, availability, and security**.

- **Configured Auto Scaling & Load Balancer** for high availability and fault tolerance.
- **Implemented RDS Multi-AZ & DynamoDB** for database reliability and caching.
- **Optimized API performance** with CloudFront & S3 for static content delivery.
- **Ensured security & compliance** using IAM, Security Groups, WAF, and Shield.
- **Monitored and automated infrastructure** with CloudWatch and CloudTrail.
- Improved e-commerce website performance, reducing page load times by 2 seconds through CDN integration and caching strategies.
- Implemented Kubernetes autoscaling, ensuring smooth handling of traffic spikes during peak sale seasons.