

## GHULAM MUJTABA

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Islamabad, Pakistan

### PROFESSIONAL SUMMARY:

DevOps Engineer with 5+ years of overall experience, specializing in cloud-native deployments and infrastructure automation. Proficient in Kubernetes, Azure DevOps, Docker, Terraform, and CI/CD pipelines. Successfully reduced deployment times by 50%, improved system availability by 99.9%, & led cloud migration initiatives that cut hosting costs by 25%. Known for delivering impactful solutions in dynamic environments & operational efficiencies at scale.

### TECHNICAL SKILLS:

- **CI/CD:** GitHub Actions, GitLab, Jenkins, Azure DevOps.
- **Containerization & Orchestration:** Docker, Docker Swarm, Kubernetes, ArgoCD,
- **Configuration Management & (IaC):** Ansible, Terraform.
- **Monitoring:** Prometheus, Grafana, SonarQube, Zabbix. Custom monitoring system builds.
- **Logs Management:** ELK Stack (Elasticsearch, Kafka, Zookeeper, Kibana Logstash).
- **Database:** Redis-Stack, MySQL, PostgreSQL, MongoDB.
- **Networking & Server:** IIS, Nginx, Apache, Tomcat, Wildfly. VPNs, Firewalls, Layer 2/3 Routing
- **Cloud Platforms:** Azure, GCP, AWS.

### EXPERIENCE:

**DevOps Engineer - APPINSNAP (PRIVATE) LIMITED | February 2023 – Present Location:**

**Islamabad, Pakistan**

- Achieved 99.9% application uptime by managing Kubernetes clusters with ArgoCD, implementing self-healing and high availability strategies.
- Reduced deployment times by 50% and doubled release frequency by designing and implementing scalable CI/CD pipelines using Azure DevOps and Jenkins.
- Cut manual provisioning efforts by 80% by automating cloud infrastructure with Terraform and Infrastructure as Code (IaC) practices on Azure.
- Boosted code quality by 30% and enforced secure development practices by embedding SonarQube into CI/CD pipelines across environments.
- Reduced infrastructure costs by 25% and enhanced scalability by leading the migration of on-premises services to cloud environments.
- Improved incident response time by 40% by enhancing system monitoring with Prometheus and Grafana in collaboration with cross-functional teams.
- Reduced configuration drift and manual errors by 50% by streamlining infrastructure management using Ansible and Docker automation.

**DevOps and Cloud Native Trainee – Mature Resources Global Technologies Pvt. Ltd September**

**2022 – February 2023 | Location: Karachi**

- Automated deployment and scaling of cloud-native applications by implementing containerization with Docker and orchestration using Kubernetes.
- Improved release velocity by 40% by building and optimizing CI/CD pipelines with Jenkins and Git for continuous integration and delivery.
- Streamlined team collaboration and reduced code defects by integrating SonarQube for quality checks and utilizing GitHub/GitLab for version control and code management.

**Network Engineer - GEMNET Enterprise Solutions | April 2022 – September 2022 Location:**

**Hyderabad, Pakistan**

- Improved network efficiency by configuring and managing Layer 2/3 devices to ensure optimal traffic routing and reduced latency.
- Reduced downtime to under 1% by proactively troubleshooting network outages and implementing reliable incident response procedures.
- Secured infrastructure by managing VPNs and firewalls in alignment with industry-standard security protocols.
- Boosted bandwidth utilization by 30% through in-depth network performance analysis and optimization.

**Network Administrator - Network Edge Academy and Consultant | January 2019 - February 2022 Location: Hyderabad, Sindh, Pakistan**

- Reduced security incidents by 40% by designing and implementing robust network security policies across the organization.
- Ensured a secure and resilient infrastructure by deploying and maintaining firewalls, VPNs, and intrusion detection systems.
- Improved network performance and reliability through regular tuning and preventive maintenance of hardware and software.
- Optimized traffic flow and reduced latency by configuring routers, switches, and wireless access points across multiple sites.
- Enhanced incident response times by automating network monitoring with Zabbix and establishing proactive alerting mechanisms.

**PROJECTS:**

**Zindigi App (JS Bank Money Transfer Application) - Fully Microservices Integrated**

- Architected a scalable and secure microservices infrastructure on Kubernetes, integrating CI/CD automation with ArgoCD and Azure DevOps to reduce deployment time by 40%.
- Built end-to-end observability using Grafana, Prometheus, and the ELK Stack, enabling real-time monitoring and alerting across services.
- Optimized reliability and code integrity by embedding SonarQube into CI/CD pipelines, enforcing quality gates across hybrid (on-premises and cloud) environments.

**LASPAY (Digital Payment System) - Fully Microservices Integrated**

- Architected a resource-efficient microservices system using Kubernetes and Docker, streamlining infrastructure for high-volume financial transactions.
- Achieved over 95% deployment success rate by designing & implementing a robust CI/CD with Jenkins.
- Enhanced system stability and reduced incident response times by 50% through integrated monitoring and logging using ELK Stack, Prometheus, and Grafana.

**KPK eChallan (Provincial Traffic Fine Management System) - Monolithic Architecture**

- Managed and optimized a large-scale monolithic system for the entire KPK province, integrating CI/CD pipelines with Ansible automation to reduce release setup time by 30%.
- Designed a custom monitoring solution by combining ELK Stack for centralized log management and Grafana for real-time dashboards, enabling visibility into application performance and resource metrics.

**ITP eChallan System (Islamabad Traffic Police) - Monolithic with Selective Microservices**

- Modernized an on-premises monolithic system by managing a custom CI/CD pipeline and transitioning select services to microservices, significantly improving scalability and compatibility with legacy infrastructure.
- Boosted system performance and operational consistency by automating monitoring, alerting, and configuration with the ELK Stack, Prometheus, and Ansible, resulting in faster incident response and enhanced reliability.

**AiGenix (Telematics Solutions for Regulators and Motor Insurers) - Hybrid Architecture**

- Developed a comprehensive monitoring and configuration system using ELK, Prometheus, and Grafana, improving system visibility, automation, and role-based access control across both on-premises and cloud.
- Designed and implemented a hybrid architecture combining monolithic and microservices components, optimizing resource usage, scalability, and stability through a custom CI/CD pipeline.

**EDUCATION:**

**Master's Degree in Communication Networks & Systems | SAU Tando Jam, Pakistan | 2021 | First Division**

- **Research Work:** Wireless Power and Data Transfer Via mm-wave Simultaneously Using Beamforming Technology Through 5G Small Tower

**Bachelor's Degree in Information Technology (Hons) | SAU Tando Jam, Pakistan | 2017 | First Division**

- **Final Year Project:** Central Library Management System