



# Adnan Hassan

## DevOps Engineer

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Village Chak 74 JB (Thekri Wala) Jhang Road | Near by Faisalabad Bypass | Faisalabad

### Introduction:

Hardworking and proactive **DevOps Engineer** with expertise in **AWS cloud platforms, automation, and infrastructure management**. Passionate about **optimizing systems** for better performance, reliability, and scalability. Adept at **CI/CD, containerization, and monitoring**. Currently expanding knowledge in **Google Cloud Platform (GCP)** to become proficient in **multi-cloud architectures** and cross-platform cloud solutions. Always eager to **learn emerging technologies** and solve complex challenges efficiently.

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## Experience

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### SuDo Consultants / L1 TECH / Associate DevOps

NOVEMBER 2022 - JANUARY 2025 (PAKISTAN)

- Streamlined and automated development, testing, and deployment processes for client projects.
- Designed and implemented CI/CD pipelines using GitLab and Jenkins.
- Managed infrastructure as code with Terraform and Ansible.
- Ensured the reliability and scalability of applications on AWS.
- Automated manual processes, reducing deployment times and increasing efficiency.
- Collaborated with development teams to troubleshoot and resolve issues.
- Led containerization efforts using Docker.
- Enhanced application portability and scalability.
- Monitored and maintained system performance, security, and availability.
- Utilized tools such as Prometheus and Grafana for monitoring.
- Stayed up-to-date with industry trends and technologies.
- Contributed to knowledge-sharing sessions and technical documentation.
- Proactively approach problem-solving, contributing to successful project delivery.
- Ensured projects were delivered on time and within budget.

### PTCL/ Customer Service Representative

OCTOBER 2019 - AUGUST 2020, KARACHI (PAKISTAN)

- Provided technical support and assistance to customers.
- Resolved customer issues promptly and efficiently.
- Handled inquiries related to internet connectivity, billing, and services.
- Ensured a high level of customer satisfaction.

## EXPRESS NEWS NETWORK / Network Engineer

FEBRUARY 2018 - FEBRUARY 2019, KARACHI (PAKISTAN)

- Managed and maintained the network infrastructure.
- Ensured optimal performance and minimal downtime.
- Configured and troubleshooted network devices.
- Monitored network traffic.
- Implemented security measures to protect against potential threats.
- Collaborated with the IT team to design and deploy network solutions.

## NATIONAL BANK OF PAKISTAN / Network Intern

JUNE 2017 - JULY 2019, KARACHI (PAKISTAN)

- Assisted in maintaining network infrastructure, gaining practical insights into network operations in the banking sector.

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### Skills

- **Cloud Computing:** AWS (EC2, S3, VPC, IAM, etc)
- **IaC Tools:** Terraform, Ansible
- **CI/CD:** GitLab CI/CD
- **Scripting:** Bash, Python
- **Certifications:** AWS Solutions Architect Associate, AWS Certified Cloud Practitioner, Terraform Associate (in progress)
- **Operating Systems:** Linux (Ubuntu, RedHat)
- **Version Control:** Git
- **Monitoring:** Prometheus, Grafana
- **Containerization:** Docker
- **Data Science/ML:** Numpy, Pandas, Matplotlib

### Learning & Interests

- **Kubernetes (K8s):** Studying container orchestration and microservices deployment strategies.
- **OpenShift:** Exploring enterprise Kubernetes solutions and DevOps workflows for scalable application management.
- **Jenkins:** Exploring automation for building and deploying software.
- **Red Hat Enterprise Linux (RHEL):** Learning system administration, security hardening, and automation.
- **Multi-Cloud Strategies:** Exploring AWS, GCP, and Azure to build resilient, vendor-agnostic solutions.

## Education

### **IQRA UNIVERSITY/ TELECOM ENGINEERING**

JANUARY 2014 - DECEMBER 2017, KARACHI (PAKISTAN)

- Digital Signal Processing
- Wireless Communication Systems
- Network Security
- Optical Fiber Communication
- Microwave Engineering
- Mobile Communication
- Antenna Theory and Design
- Data Communication and Networking

### **FINAL YEAR PROJECT**

- Utilized GNS3 Network simulator integrated with physical Cisco routers (2800 and 2811) and a 3500 Catalyst Layer 2 switch. Implemented MPLS (Multiprotocol Label Switching) to facilitate communication. Configured and managed four VoIP systems for efficient communication over the MPLS network.

### **FLAPPY BIRD GAME**

- Developed a Flappy Bird game using Pygame framework, demonstrating proficiency in Python programming and game development techniques.

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## **CERTIFICATIONS**

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- Terraform Associate (In Progress)
  - AWS Certified Solutions Architect Associate
  - AWS Certified Cloud Practitioner
  - Microsoft Azure Fundamentals (AZ-900)
  - Juniper Security (JNCIA-SEC)
  - Juniper Cloud (JNCIA-CLOUD)
  - CCNA (Institutional)
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