

Shayan Tofique


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WORK EXPERIENCE

 **SYSTEMS LIMITED** – KARACHI , PAKISTAN

INTERN - DIGITAL INFRASTRUCTURE AND SECURITY SERVICES – 16/09/2024 – 16/01/2025

- Integrated and oversaw application performance with SolarWinds tools.
- Set up performance monitoring alerts to ensure optimal application functionality.
- Analyzed RedHat AMQ performance, including CPU utilization and IOPS metrics.
- Monitored and managed cloud-based applications using AWS CloudWatch and AppDynamic

 **GYB COMMERCE** – KARACHI , PAKISTAN

DEVOPS INTERN – 01/08/2024 – 01/09/2024

- Deployed and managed Python and Node.js applications on Heroku.
- Utilized Docker to containerize applications, improving portability across environments.
- Monitored and analyzed application performance using Datadog for seamless operations.
- Configured GitHub Actions to automate CI/CD pipelines for testing and deploying applications
- Gained experience in configuring and managing Linux-based servers for development and deployment tasks.

EDUCATION AND TRAINING

07/12/2020 – 09/10/2024 Karachi , Pakistan

BE ELECTRONIC ENGINEERING Dawood University of Engineering and Technology

The major modules I studied during this degree are:

Object Oriented Programming
Data Structure and Algorithms
Embedded Systems Design
Wireless and Mobile Communication
Computer Fundamentals and Programming
Computer Networks and Data Communication

Final grade 3.58 / 4.0

SKILLS

Technic

AWS | Python | Linux | Github | Docker | Terraform | Git | Grafana | Kubernetes | Ansible

PROJECTS

Automated Deployments of Todo Application with Full CI/CD Pipeline

- Deployed a ToDo application on AWS EC2 instance initially.
- Automated deployment process using Dockerfile.
- Implemented a full CI/CD pipeline with Jenkins, integrated Docker Compose for streamlined container orchestration, enabled automated deployment upon code commits.
- Transitioned deployment to Kubernetes for container orchestration, enhancing scalability and resource utilization. Write here the description...

VPC with private Subnets and NAT Gateway win AWS Cloud

- Created secure AWS Virtual Private Cloud (VPC) with private subnets.
- Configured servers in private subnets and implemented NAT gateway for outbound internet access.
- Employed security groups and NACLs for traffic control.

- Established VPN connections for secure communication.
- Monitored network performance and optimized resource utilization.

AWS Cost Optimization with Python Lambda Function

- Developed Python scripts and Lambda functions to optimize AWS costs.
- Implemented automated processes to identify and terminate underutilized resources.
- Scheduled Lambda functions to run at specific intervals for continuous cost optimization.

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Soft Skills

- Adaptability
- Critical Thinking
- Problem-Solving
- Attention to Detail
- Time Management
- Team Collaboration
- Continuous Learning
- Effective Communication