



Shayan Tofique

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● ABOUT MYSELF

IT Master's student specializing in DevOps with hands-on experience in CI/CD pipelines, containerization with Docker and Kubernetes, and Infrastructure-as-Code using Terraform on GCP. Skilled in monitoring solutions with Prometheus and Grafana, automation scripting, and cloud resource optimization. Currently pursuing Master's in IT at Frankfurt UAS, seeking to apply DevOps best practices in a professional environment.

● SKILLS

Technical Skills

GCP | Linux | Terraform | Kubernetes | Docker | GitHub Actions | Ansible | Prometheus | Grafana | Bash Scripting

● WORK EXPERIENCE

🏢 **SYSTEMS LIMITED** – KARACHI , PAKISTAN

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

- Monitored and managed cloud-based banking applications using **AWS Cloud Watch and AppDynamics**, ensuring system availability and performance across production environments.
- Configured and deployed performance monitoring **alerts and dashboards** to proactively identify system issues, maintaining optimal application functionality for critical banking services.
- Integrated and administered **SolarWinds** monitoring tools to track application **performance metrics, system health indicators**, and **infrastructure resource** utilization.
- Analyzed and optimized **RedHat AMQ** message broker performance by monitoring **CPU utilization, IOPS metrics**, and **queue processing** efficiency to support high-volume banking transactions.
- Provided **technical support** through JIRA ticketing system for L1 and L2 incidents, including network troubleshooting using **Putty** for router diagnostics and systematic escalation of complex issues to senior engineering teams.
- Created and maintained comprehensive process documentation on **Confluence**, standardizing departmental procedures and improving knowledge transfer across operations teams.

🏢 **GYB COMMERCE** – KARACHI , PAKISTAN

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

- Deployed and managed Python and Node.js applications on **Heroku cloud platform**, ensuring scalable application delivery and maintaining **99%+ uptime** for production services.
- Containerized applications using **Docker** to improve portability and consistency across development, staging, and production environments, streamlining deployment processes.
- Implemented comprehensive monitoring using **Datadog** to track application performance metrics, system health, and operational insights for proactive issue resolution.
- Automated CI/CD pipelines with **GitHub Actions**, enabling continuous integration and deployment workflows that reduced manual deployment time and improved code quality assurance.
- Configured and administered **Linux-based servers** for application hosting and deployment infrastructure, managing system resources and optimizing performance for development workflows.

● EDUCATION AND TRAINING

13/10/2025 Frankfurt, Germany

M.S. INFORMATION TECHNOLOGY Frankfurt University of Applied Sciences

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 (1.42 in German grading system)

PROJECTS

Cloud-Native Web Application with Enterprise DevOps Pipeline

- **Developed** full-stack **Node.js application** with **Express.js backend** and responsive frontend, designed for high availability through **containerized deployment on GKE**.
- **Containerized** application using **Docker** and orchestrated with **Kubernetes**, implementing **Horizontal Pod Autoscaler (HPA)** for automatic scaling from **2-10 pods** based on **CPU utilization** thresholds.
- **Implemented CI/CD pipeline** using **GitHub Actions**, reducing deployment time by **80%** (from **20min manual** to **4min automated**) with **zero-downtime deployments**.
- **Automated infrastructure provisioning** using **Terraform Infrastructure-as-Code**, managing **5+ GCP resources** including VPC, load balancers, and security configurations.
- **Established** comprehensive **monitoring stack** with **Prometheus and Grafana**, collecting **5 custom metrics** including response times, error rates, and system performance indicators.
- **Configured load testing** and **Horizontal Pod Autoscaler**, validating system performance under **150 concurrent users** with automatic scaling triggers.

Link <https://github.com/ShayanTofique/gcp-portfolio-deployment-project>

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B2
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

COMMUNICATION AND INTERPERSONAL SKILLS

Soft Skills

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