

Muhammad Osama

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EDUCATION

University of Engineering and Technology

Lahore, Pakistan

B.Sc. in Electrical Engineering;

Sep 2018 – Dec 2022

Relevant coursework: Programming Fundamentals, Data Structures and Algorithms, Database Systems, Microprocessor Systems, Computer Networks

SKILLS

Languages: C/C++, C#, Java, Python, Go, JavaScript, TypeScript, SQL/TSQL, BASH, PowerShell

Cloud Platforms & CI/CD: AWS, Azure, GCP, Jenkins, ArgoCD, Github Actions, GitLab CI/CD, Circle CI

Configuration Management & Containerization: Ansible, Docker, Podman, Kubernetes, Openshift, HELM

Logging & Monitoring: ELK Stack, Prometheus, Grafana, Datadog, NewRelic, Sentry, Splunk, AWS Cloudwatch

Infrastructure Automation: Terraform, Terragrunt, OpenTofu, Pulumi, AWS Cloudformation

Databases: Postgres, MongoDB, MySQL, Oracle DB, MS-SQL Server, AWS DynamoDB, AWS RDS, GCP BigQuery

Technologies: Apache Kafka, Redis, RabbitMQ, NGINX, Varnish

Operating Systems & Virtualization: Linux, Mac, Windows, BSD, Vagrant, KVM, VMware ESXI

Security: OWASP ZAP, BurpSuite, Hashicorp Vault, Istio, Consul, Aquasec Trivy, SonarQube, VPNs (P2S & S2S)

Methodologies & Frameworks: Agile, Scrum, SAFe, DORA, Kanban, Scrumban

Documentation & Management: Jira, Confluence, Notion, Markdown, LaTeX

EXPERIENCE

Devsinc

Lahore, Pakistan

DevOps Engineer

Aug 2023 – Present, Full-time

- Architected robust CI/CD pipelines, resulting in a 30% increase in deployment frequency.
- Implemented predictive auto-scaling, reducing infrastructure costs by 15% while ensuring optimal performance.
- Optimized application performance and resource utilization through continuous monitoring and advanced tuning techniques.
- Implemented configuration management using Ansible, Chef, and Puppet for large environments.
- Spearheaded hands-on development and maintenance of sophisticated, modular and extensible infrastructure as code (IaC) scripts using Terraform and Terragrunt.
- Automated the infrastructure provisioning to increase reliability, availability and agility of the cloud environment to meet strict SLAs and achieve 95% uptime.

Devsinc

Lahore, Pakistan

Associate DevOps Engineer

Mar 2023 – Aug 2023, Full-time

- Managed large-scale containerized applications using Docker and Kubernetes.
- Monitored and optimized system performance and availability with Prometheus and Grafana.
- Deployed and managed both monolithic and micro-service based applications across multiple cloud platforms including AWS, Azure, and Google Cloud.
- Ensured security compliance through comprehensive automated security scans, regular risk assessments and audits.

Ebryx LLC.

Lahore, Pakistan

Malware Researcher

Apr 2022 – Feb 2023, Full-time

- Conducted web application assessments using Kali Linux with tools like Dir-buster and NMAP.
- Performed penetration testing using Firefox add-ons such as Flagfox and Live HTTP Headers.
- Executed network scanning with tools like NMAP, Nessus, and Wireshark.
- Trained development teams on vulnerabilities, reviewing issues, ease of exploitation, impact, security requirements, and remedies.
- Provided detailed reports on identified issues and remediation plans to stakeholders.

CERTIFICATES

OWASP Top 10 Vulnerabilities 2021

Aug 2023

Application Security and Secure Code practices course from Coursera

Cisco Certified Network Associate (200-301)

Feb 2023

Network Basics, Design and Security training from Corvit Institute