Umair Khan
Lead Devops/Cloud Architect

I specialize in creating scalable, secure, and reliable infrastructure, focusing on automating processes to maintain uptime and stability for high-performance applications. With hands on experience I have developed, architected, automated, and optimized production environments on Kubernetes, Bare metal servers, and VMware using DevOps practices. I am currently working remotely as a Lead DevOps Engineer for a Dubai-based company that specializes in school communication. I am proficient in various DevOps tools such as Kubernetes, Docker, Helm, Gitlab, ArgoCD, Prometheus, Grafana, Terraform, and Ansible.

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WORK EXPERIENCE

Lead DevOps Engineer
SchoolVoice, UAE

12/2021 - Present   *Remote*

Achievements/Tasks

- Designed and maintained Kubernetes infrastructure, optimizing costs using Spot and On-Demand nodes.
- Built a real-time data pipeline using Kafka with Debezium connector to replicate data from AWS RDS Aurora to OpenSearch.
- Implemented and deployed Ory Kratos and Oathkeeper on Kubernetes using Helm charts to enable secure SSO authentication and authorization
- Built Python scripts for automation, including Slack bots for deployment and rollback notifications.
- Implemented observability on the entire infrastructure and applications using Datadog.
- Strengthened security by enforcing RBAC, network policies, Falco monitoring, and container hardening practices.
- Enhanced security and compliance by enforcing RBAC, network policies, Falco monitoring, and container hardening & aligning AWS infrastructure with the AWS Well-Architected Framework.

Lead DevOps Engineer
VentureDive, PK

07/2019 - 11/2021   *Hyprid*

Achievements/Tasks

- Designed, deployed, and managed Kubernetes clusters on AWS and DigitalOcean.
- Deploy Istio on Kubernetes for service mesh and microservice security.
- Deploy Pixie on Kubernetes to identify application performance bottlenecks.

Sr.DevOps Engineer
Careem, PK

01/2017 - 07/2019   *OnSite*

Achievements/Tasks

- Developed CI/CD pipeline for almost 200 Microservices using Jenkins groovy script
- Write an app using Python to read the user defined yaml for the CICD stage and convert Jenkins Groovy script
- Automating various tasks using Python such as monitoring AWS infrastructure costs and remove orphan resources

Sr. System Administrator
Right Solutions, PK

12/2013 - 01/2017   *OnSite*

Achievements/Tasks

- Designed, implemented, and maintained high traffic Linux web servers using Nginx, Apache, Varnish, and Nginx Plus for load balancing.

Sr. System Administrator
Arpatech, PK

11/2011 - 12/2013   *OnSite*

Achievements/Tasks

- Install and Maintain VMware ESX environments in Local/Remote Data Centers.

SKILLS

Kubernetes Terrafrom Docker Ansible Terragrunt Helm ArgoCD AWS Github Action ELK Python Prometheus Istio Grafana AWS RDS Bash Kafka Oathkeeper Kratos

PERSONAL PROJECTS

Local Kubernetes Cluster with Vagrant ↗

Deploying AWS EKS cluster using Terragrunt ↗

Implemented AWS Spot instance to cut infrastructure costs by 40%

EDUCATION

B.S. Computer Science
Preston University

ACHIEVEMENTS

CKA: Certified Kubernetes Administrator ↗

CCNA: Cisco Certified Network Associate Routing and Switching ↗

CXFF: Cisco Express Foundation for Field Engineers

RHCE: Red Hat Certified Engineer (Training)