

Usman Tariq

Senior DevOps Engineer

SUMMARY

- DevOps Engineer with over 7 years of experience designing and automating scalable cloud infrastructures across AWS, Azure, and GCP, achieving up to 15% cost savings and deployment time reductions.
- Proficient in CI/CD pipeline development using GitHub Actions, Jenkins, ArgoCD, and Flux, enhancing deployment frequency and reliability by 10-15%.
- Expertise in container orchestration and microservices using Kubernetes, Docker, ensuring high availability and fault tolerance with 99.9% uptime.
- Strong background in database optimization, monitoring, and incident management, improving system stability and reducing resolution times by 15%.

TECHNICAL SKILLS

Main Technical Skills	AWS (6 yr.), Azure (5 yr.), GCP (3 yr.), Kubernetes (7 yr.), Terraform (7 yr.)
Programming Languages	JavaScript (6 yr.)
C++ Libraries and Tools	C/C++/C# (5 yr.)
JavaScript Libraries and Tools	Puppeteer (1 yr.)
Data Analysis and Visualization Technologies	Kibana
Databases & Management Systems / ORM	Elasticsearch, ELK stack (Elasticsearch, Logstash, Kibana), MongoDB (5 yr.), MySQL (6 yr.), PostgreSQL (6 yr.), Redis (5 yr.)
Cloud Platforms, Services & Computing	AWS (6 yr.), Azure (5 yr.), GCP (3 yr.), PagerDuty (5 yr.)
Azure Cloud Services	Azure Cloud Functions (5 yr.), Azure Services (5 yr.)
Deployment, CI/CD & Administration	Ansible (4 yr.), ArgoCD (4 yr.), CircleCI (5 yr.), Flux (1 yr.), GitLab CI (7 yr.), Helm (4 yr.), New Relic (1 yr.)
Collaboration, Task & Issue Tracking	Atlassian Confluence (2 yr.), Jira (2 yr.)
Logging and Monitoring	Datadog (3 yr.), Logstash, Prometheus (3 yr.)
Virtualization, Containers and Orchestration	Docker (7 yr.), Kubernetes (7 yr.), Terraform (7 yr.), Vagrant (1 yr.), VmWare (6 yr.)
Version Control	Github Actions (7 yr.)

Message/Queue/Task Brokers	Kafka (5 yr.)
Operating Systems	Linux (6 yr.)
Web/App Servers, Middleware	Nginx (1 yr.)
QA, Test Automation, Security	Puppeteer (1 yr.)
SDK / API and Integrations	RESTful API (1 yr.), Winforms (5 yr.)
Scripting and Command Line Interfaces	Shell Scripts (5 yr.)
Other Technical Skills	Office365 (5 yr.), Opgenie (5 yr.)

WORK EXPERIENCE

Infrastructure Engineer - Moodagent (Infrastructure Management and Cloud Migration)

Duration: 2023 - PRESENT

Summary:

- Managed and optimized cloud infrastructure and CI/CD pipelines, migrating environments from VMware to AWS to improve cost efficiency and operational reliability
- Implemented automation and monitoring solutions to ensure high availability and performance

Responsibilities:

- Managed CI/CD pipelines using GitHub Actions to automate software delivery.
- Collaborated with cross-functional teams using GitLab for code reviews and issue tracking.
- Engineered migration strategy from VMware to AWS environments.
- Deployed and managed AWS Cloud services ensuring high availability and fault tolerance.
- Created and optimized automation scripts in Python and enhanced performance-critical components in Go.
- Utilized ArgoCD, Argo Workflows, Helm for deployment pipeline streamlining.
- Authored Terraform modules for multi-cloud deployments.
- Standardized configuration management with Ansible and Puppet.
- Optimized Jenkins CI/CD pipelines and integrated Opgenie for incident management.
- Optimized PostgreSQL and MySQL databases and developed monitoring dashboards.

Technologies: AWS (EC2, Route53, S3, RDS, DynamoDB, IAM), GitHub Actions, GitLab, Python, Go, ArgoCD, Argo Workflows, Helm, Terraform, Ansible, Puppet, Jenkins, Opgenie, PostgreSQL, MySQL, JavaScript



Devops Engineer - Hybytes (Cloud Infrastructure and DevOps Operations)

Duration: 2022 - 2023

Summary:

- Designed and implemented cloud architectures on AWS and managed GCP applications to deliver scalable and cost-effective cloud solutions
- Enhanced monitoring, logging, and deployment automation to improve operational efficiency and reduce downtime

Responsibilities:

- Designed cloud architectures for PaaS, IaaS, and hybrid solutions on AWS.
- Managed builds, coordinated releases, and mentored development teams.
- Deployed and configured ELK Stack for log analysis.
- Implemented Amazon EKS for microservices deployment.
- Customized Jira and Confluence configurations to improve team productivity.
- Built RESTful APIs using Nginx as a reverse proxy.
- Maintained GCP applications using Compute Engine, Kubernetes Engine, and Cloud Storage.
- Optimized development environments with Vagrant.
- Installed and managed monitoring tools like Dynatrace, Datadog, New Relic, and CloudWatch.
- Automated Kubernetes deployments using GitOps workflows with Flux.

Technologies: AWS, Amazon EKS, ELK Stack (Elasticsearch, Logstash, Kibana), Jira, Confluence, Nginx, GCP (Compute Engine, Kubernetes Engine, Cloud Storage), Vagrant, Dynatrace, Datadog, New Relic, CloudWatch, Flux, Kubernetes

Devops Engineer - Empiric.ai (AWS and Azure Cloud Operations and CI/CD Automation)

Duration: 2017 - 2022

Summary:

- Managed large-scale AWS cloud infrastructure and Azure solutions, optimizing deployment pipelines and system performance
- Developed automation tools and monitoring solutions to enhance reliability and reduce deployment errors

Responsibilities:

- Oversaw operations for over 100 AWS Cloud instances using AWS CLI.
- Coordinated release efforts across distributed teams.
- Distributed software artifacts to ensure consistent application delivery.
- Streamlined routine tasks with Bash/Shell scripting.
- Optimized systems using Kafka, MongoDB, and Redis.
- Established continuous delivery environments with Docker.
- Enhanced system performance through Linux Kernel optimizations.
- Engineered scalable Azure solutions using VMs, Functions, and Storage.
- Built CI/CD pipelines for databases using Jenkins and Docker Registry.
- Created scalable applications with Docker and Kubernetes integrating monitoring tools.
- Streamlined repository management with Bitbucket.
- Designed automation tools with TypeScript and C++.
- Configured CI/CD pipelines in CircleCI and managed PagerDuty configurations.
- Administered Windows Server environments.



Technologies: AWS, AWS CLI, Azure (VMs, Functions, Storage), Bash, Shell scripting, Kafka, MongoDB, Redis, Docker, Kubernetes, Jenkins, Docker Registry, Datadog, Prometheus, Grafana, OpenTelemetry, Bitbucket, TypeScript, CircleCI, PagerDuty, Windows Server, C++

EDUCATION

- **University of Central Punjab**
Bachelors in Computer Science
2013 - 2017
- **Govt Science College**
2011 - 2013

