# Muhammad Hamza Arshad

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Lahore, Punjab

#### **Summary**

Results-driven DevOps Engineer with over 4.5 years of experience in automating CI/CD pipelines, managing infrastructure as code, and enhancing deployment and monitoring processes. Adept at using tools like Docker, Kubernetes, Jenkins, GithubActions, Terraform, Grafana, and AWS to develop scalable, secure, and resilient infrastructure. Strong emphasis on continuous integration, performance tuning, and operational efficiency through automation, proactive monitoring, and adherence to DevOps best practices.

#### **Experience**

# **DevOps Engineer**

CCJK Technologies

07/2025 - Present

- Designed and optimized multi-stage Dockerfiles for PHP 8.3 (FPM) applications, improving build efficiency and reducing image size.
- Built and maintained CI/CD pipelines on GitHub Actions, integrating AWS SSM Parameter Store for secure environment management.
- Automated Docker image builds and ECR deployments, enabling consistent local testing and production rollouts.
- Deployed and maintained PHP, WordPress, Vtiger CRM, and NestJS applications on AWS and Ubuntu servers.

### **DevOps Engineer**

Developers Studio Pvt Ltd • lahore

12/2022 - 07/2025

- Developed containerized solutions for frontend (React.js) and backend (Node.js) applications to support scalable, maintainable, and portable deployments.
- Set up the ELK stack (Elasticsearch, Logstash, Kibana) with Beats for efficient system log monitoring and visibility into system activities.
- Proficient in Terraform for AWS infrastructure provisioning, including EC2, VPC, load balancers, auto-scaling groups, ECR, and ECS.
- Deployed Laravel, Vue.js, and Node.js applications on Ubuntu servers and Docker containers, ensuring reliable and scalable performance.
- Developed automation scripts for server monitoring, configured IPTables for enhanced security, performed regular database backups, and deployed cryptocurrency nodes for robust system management and data integrity.
- Integrated SonarQube with Jenkins to enhance CI/CD pipelines, improving code quality analysis and deployment processes.
- Utilized Zabbix for proactive server monitoring and alerting to maintain system availability and performance.
- Familiar with Kubernetes basics and its deployment strategies.
- Implemented Sentry for real-time error tracking and application monitoring.
- Configured CI/CD pipelines using GitLab for automated build and deployment workflows.

### **Associate DevOps Engineer**

Galaxy Solutions ITC • lahore

08/2021 - 12/2022

- Successfully deployed Odoo and Traccar systems for clients, ensuring proper installation and configuration.
- Managed comprehensive backups and restoration of MYSQL and PostgreSQL databases, optimization of databases and its data.
- Proficiently managed AWS EC2 hosted Linux servers, configuring Route53 domains, S3 buckets for backups, and monitoring logs through CloudWatch.
- Additionally, executed Git code management, set up a local Linux development server with a static IP, configured

cronjobs for regular tasks.

- Deployed Docker containerized environments for testing, and fine-tuned nginx for optimal performance and security.
- Deployed Laravel and WordPress projects on Linux servers using Docker, ensuring efficient and automated setups.
- Specialized in configuring socket deployments for projects, optimizing server resources and ensuring peak performance through both same port and different ports configurations.
- Successfully deployed Ruby on Rails, Vue.js, and Node.js projects with remote database servers.
- Developed and maintained comprehensive weekly server reports utilizing scripts, ensuring continuous monitoring, critical updates, restarts, and optimal server performance.

### **DevOps Intern**

Programmers Force • lahore

06/2021 - 08/2021

- Completed training on the fundamentals of DevOps and cloud computing.
- Gained knowledge of Linux operating systems and their basic concepts.
- · Acquired understanding of Docker and containerized environments.
- Learned about various databases, including MySQL, PostgreSQL, and MongoDB.
- Studied the fundamentals of CI/CD pipelines.
- Gained experience with Git and version control systems.
- Acquired knowledge of Ansible and Terraform, including their basic concepts and practical applications.
- · Acquired basic understanding of web servers, including Apache and Nginx.

#### **Education**

## **Bachelor's Degree in Computer Science**

University of Management & Techonology, Lahore • lahore 10/2020

#### TRAINING/CERTIFICATIONS

AWS Certified Cloud Practitioner (CCP), AWS Certified Solutions Architect - Associate (SAA), Docker Trainning course for Begginers, Cisco Certified Network Associate (CCNA), DevOps Engineer, Basics of Cloud Computing

#### **Skills**

Linux, Shell Scripting, Docker, Kubernetes, Aws, Ansible, Terraform, MySQL, PostgreSQL, MongoDB, Jenkins, CI/CD, Ubuntu, CentOS, Grafana, Nagios, Zabbix, Git