

Muhammad Hamza Arshad

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Summary

Skilled DevOps engineer with 3 year of experience in Development and Operation, computer scientist with strong analytical, interpersonal and organizational skills to conceive and achieve business solutions. With an entrepreneurial spirit and an eagerness to challenge myself, I am driven to produce exceptional results using technical proficiency, organizational abilities and clear communication skills to deliver the best technical solutions.

Experience

DevOps Engineer

Developers Studio Pvt Ltd • lahore

12/2022 – Present

- Deployed Laravel projects inside Ubuntu Docker containers, ensuring smooth and efficient deployment of applications.
- Deployed various applications on Docker containers, configured Docker networking, and ensured a thorough understanding of Docker technology for seamless deployment.
- Developed scripts to monitor server performance and alert on Slack for high disk space, RAM utilization, and CPU utilization, ensuring continuous monitoring of server health.
- Successfully deployed Litecoin, Bitcoin, and Solana nodes, enabling secure and efficient transactions.
- Deployed Vue.js frontend and Laravel backend projects, ensuring seamless integration between the frontend and backend systems.
- Configured IP tables for enhanced security, preventing unauthorized access and protecting sensitive data.
- Set up screens and cron jobs for running different jobs, ensuring efficient and automated task execution.
- Deployed Zabbix monitoring system for all servers, enabling continuous monitoring of services, performance, and utilizations, and alerting on email and Slack for any interruptions.
- Configured Postgres replication for master-slave setup with autofailover, ensuring continuous availability of data.
- Deployed Autopull on test and dev environments through Github webhooks and Jenkins, enabling efficient testing and deployment of applications.
- Implemented CI/CD pipelines, integrating with Postman and Selenium, and configured with Jenkins, enabling efficient and automated deployment of applications.

DevOps Engineer

Nextbridge • lahore

08/2022 – 12/2022

- Deployed Laravel and WordPress projects on Linux servers using Docker containers and Bash scripting for automation, reducing deployment time and improving project delivery.
- Configured socket deployments for projects, including same port and different ports configurations, ensuring efficient use of server resources and optimal performance.
- Deployed Ruby on Rails, Vue.js, and Node.js projects with remote database servers, enabling seamless access to data across different platforms.
- Set up an IPv4 to IPv6 conversion tunnel via Hurricane Electric, allowing for improved network connectivity and expanding the reach of the company's online services.
- Developed and maintained weekly server reports using scripts for critical updates, restarts, and various server stats, ensuring continuous monitoring and efficient server performance.
- Provided in-depth knowledge of MongoDB with remote connection capabilities, facilitating seamless data access across different locations.
- Deployed PPTP VPN on Ubuntu and CentOS, enabling secure and private communication between remote users and the company's network.
- Installed and configured Glynx on Ubuntu and CentOS, providing users with a web-based proxy for accessing restricted content.

- Deployed OpenChat on Ubuntu and CentOS, enabling secure and private communication between users within the company's network.
- Deployed and configured Squid proxy on Ubuntu and CentOS, improving network security and performance by caching frequently accessed content and filtering malicious traffic.

DevOps Engineer

Galaxy Solutions ITC · lahore

08/2021 – 08/2022

- Deployed Odoo and Traccar systems for clients, ensuring successful installation and configuration of both systems.
- Managed backups and restoration of MYSQL and PostgreSQL databases, including users, privileges, and optimization of databases.
- Installed SSL certificates using certbot and customer provided keys, ensuring secure communication between servers and clients. Also, set up auto-renewal for certificates.
- Managed AWS EC2 hosted Linux servers, including configuring Route53 domains, subdomains, and S3 buckets for backups, as well as monitoring server logs through CloudWatch.
- Implemented code management and branching strategies for Git, ensuring smooth and efficient deployment of code to dev, test, and production environments.
- Set up a Linux server on a local environment using a static IP and used it as a development server for testing purposes.
- Configured cronjobs for backups and scheduled jobs, ensuring that essential tasks are completed regularly and on time.
- Deployed Odoo and PostgreSQL in Docker containerized environments for testing purposes, ensuring optimal performance and scalability.
- Managed all client portals and installed modules in Odoo according to customer requirements, ensuring a high level of customer satisfaction.
- Configured nginx for domains, subdomains, multi-sites, load balancing, reverse proxy, security handling, and tuned for optimal 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.

Service Support Agent

PTCL · lahore

08/2019 – 08/2021

- Monitored and resolved a high volume of internet-related issues for PTCL customers using Motive CRM and other troubleshooting tools.
- Effectively communicated technical information to relevant teams to expedite issue resolution and ensure customer satisfaction.
- Maintained accurate records of customer interactions and troubleshooting steps taken, contributing to the overall improvement of PTCL's customer service processes.
- Collaborated with other network support engineers to identify recurring issues and implement proactive measures to prevent future incidents.

Education

Bachelor's Degree in Computer Science

University of Management & Technology, Lahore · lahore

10/2022

FSc Pre engineering

Superior Group of Colleges · Bahawalnagar

01/2014

Matriculation

Farqleet Public School · BahawalNagar

01/2012

TRAINING/CERTIFICATIONS

AWS Certified Cloud Practitioner (CCP), 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