MD. Ziaul Haque

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MD. Ziaul Haque
Lead DevOps Engineer
Experience:
- 12 years in IT & ITES Industry
- AWS,Azure and Openstack
- Docker,Kubernetes
- CI/CD
- Open Source Software Enthusiast.
- Linux System Administration
- Network Administrator

PROFESSIONAL SUMMARY

Over 10 years of experience in designing, implementing, and managing scalable cloud infrastructure and CI/CD pipelines across diverse IT environments. Proven expertise in AWS, Kubernetes, and modern DevOps toolchains to deliver secure, high-availability, production-ready systems. Skilled in leading cross-functional teams, driving infrastructure as code (IaC), and managing container orchestration, monitoring, and log aggregation solutions. Strong background in microservices architecture, cloud-native application deployment, and mentoring engineering teams to adopt modern DevOps practices for enhanced reliability, agility, and scalability.

KEY SKILLS

Cloud Platform: AWS,Azure, OpenStack
Containerization Tools: Docker, Kubernetes, Docker swarm, Docker-compose
CI/CD: Jenkins,FluxCD, ArgoCD
Virtualization Platform: KVM, Ovirt, ESXI, RHCV, Proxmox
High Availability: Linux Cluster Management, Load Balancing with HAProxy and Nginx
Infrastructure as Code & Automation: Terraform ,Ansible ,Helm
Scripting: Bash (Advanced), Python (Basic)
Storage: CEPH Storage, Gluster Storage, NetApp, and Solidfire Storage.
Monitoring Tool: Prometheus, Nagios, Cacti, Observium, Zabbix
Database: Mysql, Postgresql, MongoDB, Cassandra and Redis,
Mail Server: Zimbra,Postfix, Cpanel, Microsoft Exchange
Log Management: Rsyslog, ELK & EFK and Graylog.
Repository: Github,GitLB, Bitbucket.
Networking/Protocol: TCP/IP Subnetting, Routing Protocol, Switching Network, VPN Tunnel, Network Troubleshooting, Network Security
Server: DNS, DHCP, Apache, Nginx, IIS, Apache Tomcat, NIS, NFS, SMTP, LAN, FTP
Operating Systems: Linux Server platform (Red Hat, CentOS, Ubuntu, Debian) and Windows Server Platform (Windows Server 2008/2012/2016)
VPN: Site-to-Site(IPSec, GRE) and Remote Site(OpenVPN , PPTP, L2TP)
Firewall: Fortigate, ASA, Pfsense, IPtables
Backup: CommVault

PROFESSIONAL CERTIFICATE:

- Certified Kubernets Administrator (CKA)
- Red Hat Certified System Administrator (RHCSA).
- Red Hat Certified Engineer (RHCE).
- Red Hat Certified Specialist in Virtualization.
- Red Hat Certified Specialist in Gluster Storage Administration.
- Cisco Certified Network Associate Routing and Switching (CCNA).

PROFESSIONAL EXPERIENCE: 10 Years+

Lead DevOps Engineer, BracIT Service Ltd   **December 2025 - Continue**
1. Lead and mentor DevOps engineers, ensuring adherence to best practices and engineering standards
2. Define and implement DevOps strategy aligned with organizational and project goals
3. Review system architecture and provide guidance on scalability, reliability, and security
4. Work closely with software development, QA, security, and product teams
5. Provide technical input during project planning and architectural discussions
6. Communicate effectively with management and stakeholders on risks, progress, and improvements.
7. Integrate security into CI/CD pipelines (DevSecOps)
8. Deploy, manage, and optimize Kubernetes clusters (production-grade)
9. Design, build, and maintain robust CI/CD pipelines for multiple applications and environments
10. Automate infrastructure provisioning, configuration, and deployment using Infrastructure as Code (IaC)

Lead DevOps Engineer, Technonext Software Ltd   **December 2024 - December 2025-12-01**
1. Designed and deployed a robust production environment using AWS services including EC2, ALB/NLB, Auto Scaling Groups, Launch Templates, and RDS.
2. Ensured high availability and disaster recovery by implementing scalable infrastructure and automated backups.
3. Collected and analyzed ALB logs using S3 and Elasticsearch for security and performance insights.
4. Built and maintained multiple Kubernetes clusters for different projects with support for production workloads.
5. Developed and maintained Helm charts for microservices ensuring version control, reproducibility, and ease of deployment.
6. Deployed MetalLB and Ingress Controllers for internal and external traffic routing across Kubernetes services.
7. Integrated Vault and Kubernetes External Secrets for secure secret management.
8. Developed GitLab CI and Jenkins pipelines adhering to microservice architecture deployment best practices.
9. Integrated ArgoCD for GitOps-based CD workflows, enabling seamless, auditable, and automated Kubernetes deployments.
10. Implemented ArgoCD Image Updater for hands-free container deployment as new images are pushed.
11. Set up comprehensive monitoring solutions using Prometheus, Grafana, and Kubernetes Dashboard for real-time cluster observability.
12. Deployed Fluentd with Elasticsearch for log aggregation across all services.
13. Conducted R&D on cutting-edge technologies such as Redis Dragonfly, Cassandra, ScyllaDB, Apache Spark, and Mosquitto for scalable real-time systems.
14. Experimented and deployed 3-node Kafka, RabbitMQ, Redis, Cassandra, and ScyllaDB clusters with replication and high availability setups.
15. Provided technical mentorship to team members, promoting knowledge sharing and DevOps best practices.
16. Played a key role in deployment reviews, especially during critical campaigns like Cartup and FirstTrip, ensuring smooth and stable production rollouts.
17. Deployed QA tools such as Selenium Grid for automated testing and Inbucket for email testing.
18. Assisted in the migration of services from Windows to Linux, optimizing reliability and performance.

Lead DevOps Engineer, Brain Station 23 PLC   **July 2023 - December 2024**
1. Managed key infrastructure components both on-premises and in the cloud for digital application platforms, serving over 4.5 million customers daily.
2. Provided Level 3 support for daily issues and feature development, ensuring smooth operations and minimal downtime.
3. Worked extensively on the migration of monolithic applications to a microservice architecture, utilizing Docker and Kubernetes for efficient service migration.
4. Utilized Ansible for server configuration management, ensuring consistency and reliability across all servers.
5. Managed databases on MySQL and Redis, ensuring data integrity and availability.
6. Conducted API load testing using Jmeter to ensure optimal performance under heavy load conditions.
7. Deployed microservices on a Kubernetes cluster using Docker and Kubernetes components, ensuring scalability and resilience.
8. Managed CI/CD pipelines using Jenkins and ArgoCD, including user account creation, access management, and pipeline scripting. Developed and maintained Jenkinsfile for automated pipeline execution.
9. Administered Linux Servers for the underlying backend and microservice orchestrators. Monitored infrastructure and ensured hardware-level optimizations, high availability, system hardening, compliance, and vulnerability mitigation.
10. Managed and deployed self-hosted tools such as Jira, Confluence, GitLab, Docker Registry, and Harbor, ensuring team productivity and efficient workflows.

11. Developed a platform to manage, monitor, and scale Kubernetes cluster components, ensuring optimal resource utilization.
12. Managed day-to-day operations of the MyGP application and maintained Service Level Agreements (SLAs) to ensure service availability by providing 24/7 support.
13. Automated repetitive tasks, monitored system health and parameters, generated reports, and performed housekeeping of managed hosts using bash scripts.
14. Monitored the application platform with the EFK stack (Elasticsearch, Fluentd, and Kibana), Kubernetes dashboards, and Zabbix to maintain Key Performance Indicators (KPIs) and SLAs for standard IT Operation.
15. Implemented a self-hosted monitoring platform using Zabbix, Prometheus, and Grafana to ensure system and application performance overview/monitoring with proactive alerts via instant messaging/email. This helped prevent countless incidents, configuration drifts, and assisted with incident postmortems and Root Cause Analysis (RCA).
16. Developed high-availability development solutions with minimum downtime SLAs, ensuring business continuity.
17. Managed source code using GitLAB, ensuring version control and collaborative development.
18. Used Nginx and HAProxy to manage web services and reverse proxies to load balance APIs and endpoints, ensuring optimal distribution of network traffic.

DevOps Engineer, Portonics Ltd   **Sep, 2021 - June,2023**
1. Guided enterprise architecture strategies, ensuring compliance and adoption.
2. Designed and managed cloud-based infrastructures for optimal performance, security, and availability.
3. Monitored and updated infrastructure and architectural frameworks for enhanced performance.
4. Hands-on experience with AWS EKS Cluster, deploying applications using AWS CI/CD Pipeline, and configuring related AWS services.
5. Managed and deployed CICD pipelines using Jenkins, FluxCD, ArgoCD, Docker, and Kubernetes, with SonarQube code testing.
6. Performed daily application troubleshooting and performance monitoring using Elastic Stack and Dynatrace/Appdynamics.
7. Designed and managed redundant caching systems with Redis/Redis Sentinel cluster.
8. Designed and tuned high-availability MySQL and PostgreSQL replications.
9. Configured high-availability and session control with PgPool-II/PgBouncer and ProxySQL.
10. Provided database access to users/applications with appropriate permissions.
11. Maintained regular database purging, backup, and restoration.
12. Conducted R&D/POC on applications and platforms for performance improvement and new technology adoption.
13. Tuned application performance with Nginx, PHP-fpm, DB, and hardware.
14. Analyzed root causes of incidents and prepared reports.
15. Prepared MOP and impact analysis reports prior to production environment changes

Sr. System Engineer, Intercloud Ltd   **Dec, 2016 – May 2021**
1. Server & Hardware Deployment: Installed and commissioned servers, peripherals, and storage per project needs.
2. OpenStack Management: Deployed OpenStack with High Availability using TripleO, Helm, and manual methods; maintained core infrastructure.
3. Image & Security Management: Created custom images, conducted penetration testing, OS hardening, and feasibility checks.
4. Storage Solutions: Configured GlusterFS, Ceph, NFS, iSCSI.
5. Containerization: Managed Kubernetes and Docker Swarm platforms; deployed microservices using Jenkins and Kubernetes.
6. System R&D: Researched and resolved complex issues, integrated new technologies, and upgraded systems.
7. Virtual Infrastructure: Designed and implemented data centers with KVM, VMware ESXi, Xen; ensured high availability and resource scheduling.
8. Automation & Scripting: Recommended system improvements and automated tasks using Bash scripting.
9. Partner Integration: Coordinated with partners (CommVault, Zimbra, Redhat, etc.) for service launches and hardware integration.
10. Mail & Backup Solutions: Managed Zimbra, Microsoft Exchange, and Commvault Backup; handled email security (Mailborder, Barracuda, Fortimail).
11. Firewall Management: Secured infrastructure with Fortigate firewalls.
12. Infrastructure Projects: Led projects to implement and upgrade systems.
13. Monitoring & Analytics: Used tools like Cacti, Nagios, Observium, and ELK Stack for monitoring and data analysis.

Company Name: BracNet Ltd.
Jobs Period: May 2014 to December 2016
Designation: Solution Engineer (Core Network and Operation)

Company Name: Information Service Network Ltd
Jobs Period: November 2012 to May 2014
Designation: Support Engineer

EDUCATION

- B.Sc in ETE (2012), University of Development Alternative, Dhaka
- Comilla Govt College, Higher Secondary Certificate (2006), Division: Science
- Comilla Zilla School, Comilla, Secondary School Certificate (2003), Division: Science.

PROFESSIONAL DEVELOPMENT/COURSES

I have believed that learning never stops. So I am very passionate to learn more about cutting-edge technology and developing myself in the DevOps career. For that, I have bought different courses from the top online course. Such as

- KodeKloud
- Udemy