Haroon Butt

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EDUCATION

Punjab University College of Information and Technology Lahore, Punjab

Bachelor's in Information Technology CGPA: 2.96 (2018 - 2022)

WORK EXPERIENCE

Associate DevOps Engineer
CureMD (08-2022 to 01-2024)

- Provided end-to-end DevOps support for cloud-native applications.
- Automated deployments and server provisioning using IaC tools like Terraform.
- Configured monitoring dashboards and alerts in Grafana.
- Optimized CI/CD pipelines, reducing deployment time by 40%.

DevOps Engineer (AWS)
CureMD (01-2024 to Present)

- Migrated on-premises applications to AWS cloud infrastructure.
- Managed AWS resources and ensured high availability using auto-scaling and load balancing.
- Implemented S3 bucket policies and encryption for secure data storage.

Projects

1. **AWS Cloud Projects:**

   - Designed and deployed secure, scalable cloud infrastructures using AWS services MSK, RDS for database management, Load balancing and Autoscaling Groups.
   - Automated EC2 instance provisioning and management using Terraform.
   - Implemented CloudWatch alerts and metrics for resource optimization and incident management.

2. **Azure DevOps Pipelines:**

   - Configured and deployed CI/CD pipelines for applications using Azure Repos and Azure DevOps.
   - Implemented custom build and release pipelines to automate deployments in multiple environments.

3. **Microservices Deployment:**

   - Deployed and managed microservices architectures using Docker containers and orchestration with Docker Compose.
   - Ensured seamless integration of microservices and optimized deployment time with efficient Docker images.

4. **Monitoring Solutions:**

   - Configured and integrated Prometheus and Grafana for real-time server and container monitoring.
   - Set up Node Exporter and Docker State Exporter to monitor critical metrics.

5. **Jenkins CI/CD Pipelines:**

   - Automated build, test, and deployment processes for microservices using Jenkins.
   - Optimized pipelines for faster execution using parallel stages and dynamic variables.

6. **Infrastructure Automation:**

   - Automate servers to run only when needed. Users can trigger a pipeline to provision the infrastructure, and after usage, trigger another pipeline to delete the infrastructure, saving costs.

Technical Skills

Cloud Platforms:

- **AWS:** EC2, S3, RDS, Lambda, VPC, IAM, CloudWatch, SQS, SNS, and Auto Scaling.
- **Azure:** Azure DevOps Pipelines, Azure Repos.

CI/CD Tools:

- Jenkins, Azure DevOps, GitHub Actions.

Containerization & Orchestration:

- Docker, Docker Compose.

Infrastructure as Code (IaC):

- Terraform.

Monitoring & Logging:

- Prometheus, Grafana, Node Exporter, Docker State Exporter, CloudWatch Logs.

Programming/Scripting:

- Python, Bash scripting, Groovy (for Jenkins).

Version Control Systems:

- Git (GitHub, Azure Repos).