**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).