

Hasan Iqbal Butt

MLOps & RAG Platform Engineer

contact@hasanbutt.com | +92-322-6676016 | Lahore, Pakistan

<https://linkedin.com/in/hasan-butt96/> | <https://github.com/hasanbutt009> | <https://www.upwork.com/freelancers/hasanbutt6>

PROFESSIONAL SUMMARY

I build the infrastructure that takes AI from prototype to production. Reliable pipelines, real-time retrieval, zero-downtime deploys across 18+ production systems. 6+ years of experience building production ML pipelines, RAG systems, and cloud infrastructure on AWS, GCP, and Azure. Top Rated on Upwork with 100% Job Success across 18 contracts. Specialized in MLOps, Kubernetes orchestration, and AI-powered automation.

PROFESSIONAL EXPERIENCE

DevOps & SRE Engineer

AEITCH | Lahore, PK | Nov 2025 â Present | Remote

- âDesigned scalable AWS cloud environments and CI/CD pipelines for high-concurrency SaaS platforms, achieving 99.9% uptime
- âAutomated IaC solutions using Terraform, AWS CDK, and CloudFormation for consistent staging/production configurations
- âIntegrated AI coding assistants (Claude Code, Cursor, Copilot) to accelerate scripting, reducing infrastructure development times by 40%
- âManaged cloud costs and optimized AWS spend, reducing long-term operational costs by 15%+
- âConfigured observability systems (Prometheus, Grafana, ELK Stack) and defined SLIs/SLOs for improved system uptime

Technologies: AWS, Terraform, CDK, GitHub Actions, Jenkins, Prometheus, Grafana, ELK Stack

Lead DevOps Engineer

Nextbridge | Lahore, PK | May 2025 â Nov 2025 | Onsite

- âDeployed a modular .NET + Angular school management system on AWS ECS with CI/CD via CodeBuild and CodePipeline
- âEnforced GitOps best practices via GitHub for version-controlled, audit-friendly infrastructure changes
- âImplemented CloudWatch anomaly detection, reducing false alerts and improving on-call rotation efficiency
- âExecuted performance testing with Python Locust, optimizing API latency under concurrent user loads
- âHardened security by enforcing least-privilege IAM policies, Nessus scans, and ISO 27001 compliance

Technologies: AWS ECS, CodePipeline, Docker, CloudWatch, Python Locust, Nessus, ISO 27001

Senior DevOps Engineer

VentureDive | Lahore, PK | Mar 2024 â Apr 2025 | Onsite

- âDeployed large-scale monolithic Java application on AWS Elastic Beanstalk with RDS PostgreSQL using modular Terraform
- âReduced AWS infrastructure cost by 30% by migrating workloads from Singapore to North Virginia region
- âEnhanced Python automation scripts for gigabyte-scale S3 data transfers and cross-environment file processing
- âSet up CloudWatch alarms and custom Bash scripts to sync production database

snapshots to dev environments

Technologies: AWS Elastic Beanstalk, Terraform, RDS PostgreSQL, S3, CloudWatch, Python, Bash

DevOps Engineer

QisstPay | Islamabad, PK | Aug 2022 â Mar 2024 | Onsite

- âMigrated 17+ backend microservices (Python, Java, Go) to GCP Cloud Run, enabling autoscaling and faster builds
- âEnsured PCI DSS compliance across AWS workloads and internal office network with full audit documentation
- âEstablished secure VPN tunnels with financial and telecom institutions for credibility scoring API integration
- âOptimized database performance with Redis caching and PostgreSQL partitioning for growing transaction volume
- âDefined and tracked SLIs/SLOs for mission-critical payment APIs, reducing incident frequency

Technologies: GCP Cloud Run, AWS, Terraform, Redis, PostgreSQL, PCI DSS, VPN, Docker

Junior DevOps Engineer

Khired Networks | Lahore, PK | Oct 2020 â Aug 2022 | Onsite

- âContainerized applications with Docker, running services on physical staging servers and AWS EC2
- âOrganized CI/CD pipelines using Bitbucket, Jenkins, and AWS CodeDeploy for automated deployments
- âSet up Graylog centralized logging with Prometheus and Grafana for real-time server monitoring
- âAdopted SRE best practices including incident runbooks and SLO/SLI tracking, improving MTTR
- âDelivered SPA deployments via S3 + CloudFront with optimized delivery performance

Technologies: Docker, Jenkins, Bitbucket, AWS EC2, Graylog, Prometheus, Grafana, S3, CloudFront

TECHNICAL SKILLS

Cloud Platforms:	AWS, GCP, Azure, DigitalOcean
Containers & Orchestration:	Docker, Kubernetes, ECS, EKS, K3s, Istio Service Mesh
Infrastructure as Code:	Terraform, CloudFormation, AWS CDK, Ansible
CI/CD & Delivery:	Jenkins, CircleCI, GitHub Actions, GitLab CI, Bitbucket Pipelines, AWS CodePipeline
Monitoring & Observability:	Prometheus, Grafana, CloudWatch, ELK Stack, OpenTelemetry, Datadog, Graylog, Sentry
RAG & LLM Infrastructure:	LangChain, LangGraph, LlamaIndex, pgvector, Pinecone, Supabase Vector, Azure AI Search, OpenAI API
MLOps & Model Serving:	AWS SageMaker, GCP Vertex AI, Kubeflow Pipelines, RunPod, MLflow, Model Registry, Azure AI Foundry
AI Agents & Tooling:	MCP Servers, AI Agent Orchestration, Tool Integration, Cursor AI, GitHub Copilot, Claude Code
Security & Compliance:	IAM, Security Hub, HashiCorp Vault, Nessus, PCI DSS, ISO 27001
Databases:	PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Amazon Aurora, Supabase
Programming & Scripting:	Python, Bash, JavaScript, TypeScript, Go, FastAPI
Networking & Load Balancing:	Nginx, Apache, ALB/NLB, VPC Design, Private Subnets, Istio

EDUCATION

Master of Computer Science (MSCS) â Computer Science

Bahria University | 2020â2022

Bachelor of Science (BS) â Computer Science

Bahria University | 2016â2020

ACHIEVEMENTS

- â€¢Top Rated Freelancer on Upwork â€¢ 100% Job Success, 18 contracts, \$10K+ earned
- â€¢Master of Computer Science (MSCS) â€¢ Bahria University
- â€¢Production ML systems serving 18GB models with 8-second cold starts
- â€¢Reduced AWS costs by 53% (\$40,920/year savings) for SaaS client
- â€¢Migrated 17+ microservices to GCP Cloud Run at QisstPay
- â€¢PCI DSS compliance implementation for payment infrastructure