

NABEEL SARFRAZ

DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with 1.5+ years of specialized experience in AWS cloud infrastructure, CI/CD automation, and containerization technologies. Demonstrated expertise in reducing deployment time by 70% and infrastructure costs by 35% through automation and optimization strategies. Proven track record of implementing scalable, secure cloud solutions across diverse platforms that maintain 99.95% uptime. Adept at diagnosing and resolving complex system issues with exceptional troubleshooting capabilities.

CORE TECHNICAL EXPERTISE

- **AWS Cloud Infrastructure:** EC2, ECS, ECR, Lambda, VPC, IAM, Route 53, CloudFront, S3, RDS, CloudWatch (Logs, Metrics, Alarms), Amplify, NAT Gateway
- **Infrastructure as Code:** Terraform (modules, workspaces, remote state), CloudFormation
- **CI/CD & Automation:** GitHub Actions, Jenkins, zero-downtime deployments
- **Containerization:** Docker, Docker Compose, ECS, container security, multi-stage builds
- **Monitoring & Observability:** ELK Stack, CloudWatch, Grafana, Centralized Logging
- **Security & Compliance:** IAM policies, security groups, secrets management, SSL/TLS, vulnerability scanning
- **Web & Application Servers:** Nginx, Application Load Balancers
- **Programming & Scripting:** Python, Bash, YAML, JSON, HCL (Terraform)
- **Database Administration:** Microsoft SQL Server, MySQL, PostgreSQL, MongoDB
- **Version Control:** GIT, Github

PROFESSIONAL EXPERIENCE

DevOps Engineer | Kryptomind LLC

May 2023 – Present

Lead DevOps engineer spearheading cloud infrastructure design and implementation for high-profile blockchain and cryptocurrency projects, with focus on scalability, security, and operational excellence.

Key Business Impact:

- **Reduced deployment time by 70%** through fully automated CI/CD pipelines across 10+ projects
- **Decreased cloud infrastructure costs by 35%** via resource optimization and auto-scaling
- **Achieved 99.95% system uptime** by implementing robust monitoring and automated recovery

- Designed modular, multi-environment AWS infrastructure using Terraform for consistent, secure deployments
- Architected high-availability solutions with ECS, EC2 Auto Scaling, and multi-AZ load balancing
- Deployed frontends on AWS Amplify and managed S3/CloudFront for static assets
- Developed automation scripts in Bash and Python for deployment, monitoring, and system maintenance
- Hands-on database administration: setup and maintenance for SQL and NoSQL databases (MySQL, PostgreSQL, MongoDB)
- Implemented Slack and Discord notifications for deployment status and incident alerts to improve team visibility
- Built advanced CI/CD pipelines (GitHub Actions) for automated, secure deployments
- Developed Ansible playbooks for server provisioning and configuration management
- Implemented automated database backup and recovery procedures for business continuity
- Integrated security scanning and compliance checks into CI/CD pipelines
- Established centralized logging with ELK stack and real-time monitoring via CloudWatch
- Implemented IAM roles and least-privilege policies for security and compliance
- Collaborated with developers to troubleshoot deployment issues and optimize application performance
- Supported cloud cost optimization initiatives, including resource rightsizing and usage monitoring

KEY PROJECTS

ResQ Platform Infrastructure | Kryptomind

Business Impact: Enabled zero-downtime deployments and real-time notifications, improving customer experience

Technologies: AWS (ECS, ECR, EC2, RDS, ALB, VPC, Amplify, S3, CloudFront), Terraform, GitHub Actions, Docker, Nginx, Ansible, Twilio

- Automated deployments to AWS ECS and local VMs using GitHub Actions
- Deployed scalable infrastructure with Terraform
- Troubleshoot and resolve deployment issues and optimize application performance and RDS performance

LearnSpot E-Learning Platform | Kryptomind

Business Impact: Reduced deployment time by 65%, streamlined development workflow

Technologies: AWS (ECS, ECR, ALB, Amplify, S3, CloudFront), Terraform, GitHub Actions, Docker

- Set up CI/CD pipelines for on-premises and AWS deployments
- Deployed modular infrastructure using Terraform

CloudWatch Log Analyzer | Kryptomind

Business Impact: Reduced log analysis time by 80% and enabled cross-account visibility

Technologies: Python, Streamlit, Pandas, AWS SDK (boto3), Docker, CloudWatch Logs API, AWS IAM

- Built a multi-profile log analysis tool with interactive dashboards and advanced filtering
- Engineered a Docker-based solution for consistent deployment

TheTrumpToken | Kryptomind

Business Impact: Eliminated outages, improved processing speed by 40%

Technologies: AWS (EC2, ECS, CloudWatch, Amplify, S3, CloudFront), Terraform, Docker

- Implemented auto-scaling and deployed frontend on AWS Amplify for continuous delivery
- Deployed the backend on AWS ECS using Terraform

EDUCATION & CERTIFICATIONS

Education

- **Diploma in Computer Science – DevOps & Serverless**
Systems Limited | 2023 – 2024
- **BSc Mechanical Engineering**
UET Lahore | 2013 – 2017

REFERENCES

References available upon request.