

Rituraj Debnath

Cloud and Devops

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented graduate with foundational knowledge in Cloud Computing, DevOps practices, and automation tools such as Docker and CI/CD pipelines. Hands-on experience in Docker, Ansible, and AWS to streamline operations.

EDUCATION

B.Tech in Computer Science and Engineering , Internet of Things and Cyber security Including Blockchain Technology

Future Institute of Technology (2021-2025)

Languages

- Bengali (Native)
- English (Fluent)
- Hindi (Fluent)

SKILLS

- Cloud Platforms: AWS
- Configuration Management :Ansible
- IAC Tool : Terraform
- Containerization: Docker, Kubernetes
- Programming: Python
- Version Control: Git, GitHub
- Monitoring Tools: Prometheus

CERTIFICATIONS & LICENSES

- AWS Certified Solutions Architect Associate
- AWS Solutions Architect job simulation by forage
- IEEE Conference Paper
- Efset Ef Standard English Test
- Kodekloud Kubernetes for Beginners
- Career Essentials in System Administration by Microsoft

PROJECT SUMMARY

Multi Microservice based Ecommerce Devops Implementation

- Designed and deployed a multi-microservice architecture on Amazon EKS, ensuring high availability and scalability.
- Implemented Infrastructure as Code (IaC) with Terraform, automating the provisioning of EKS clusters, VPC components, and networking resources.
- Developed a CI/CD pipeline using GitHub Actions and ArgoCD, enabling seamless automated deployments and GitOps-driven continuous delivery.
- Containerized microservices using Docker and orchestrated them with Kubernetes, ensuring efficient workload management.
- Configured AWS ALB Ingress Controller for secure traffic routing, integrating TLS certificates and custom domain setup for production-grade access.
- Applied best security practices with IAM roles, security groups, and AWS-native authentication mechanisms.
- Strong understanding of AWS networking (VPC, Subnets, Route 53, ALB/NLB, IAM) and Kubernetes concepts, including Helm charts, RBAC, and service mesh architectures.

SECURE NETWORKING SETUP ON AWS

- Designed and deployed a secure multi-tier architecture on AWS, implementing VPCs, private and public subnets, and NAT Gateways for restricted internet access.
- Configured IAM policies for granular access control to AWS resources, adhering to best practices for cloud security.
- Enforced S3 bucket policies and enabled server-side encryption (SSE) for data protection.
- Set up CloudTrail for tracking user activity and auditing AWS account usage.
- Monitored network traffic using VPC Flow Logs and enhanced security with security groups and NACLs (Network Access Control Lists).

CI/CD PIPELINE WITH JENKINS AND DOCKER

- Developed an end-to-end CI/CD pipeline for a Java-based application, leveraging Jenkins pipelines and Docker to deploy on AWS.
- Configured Elastic Load Balancer (ELB) and Auto Scaling to ensure high availability for Dockerized microservices on EC2 instances.
- Integrated CloudWatch monitoring for system and application health metrics, improving observability.
- Managed Docker images using ECR (Elastic Container Registry) for efficient storage and version control.
- Configured Slack notifications for build/test status updates, enhancing team collaboration and feedback.
- Acquired in-depth knowledge of AWS services like ELB, Auto Scaling, and monitoring within CI/CD workflows.