Ratnadweep Ghosh

AWS DevOps Engineer

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EDUCATION

Regent Education and Research Foundation   **August 2013 – June 2017**

*Degree Name - **B.Tech - 8.4 DGPA***   *Kolkata, India*

WORK EXPERIENCE

Tata Consultancy Services   **March 2022 – Present**

DevOps Engineer   *Kolkata, India*

- Utilizing **GIT** for efficient source code management, enabling seamless collaboration and version tracking across development teams.
- Managing code repositories using **GitHub/GitLab**, ensuring version control, branch management, and code review processes to maintain code integrity and quality.
- Integrated **Git** with **Jenkins** to enable **CI/CD pipelines**, using **Poll SCM** or, **GitHub hook trigger**, reducing deployment failures and improving delivery speed.
- Automated AWS infrastructure provisioning with **Terraform/Terragrunt**, reducing manual deployment time and ensuring consistency across environments.
- Integrated Terraform workflows with Jenkins CI/CD pipelines, leveraging **AWS S3** for remote state storage and **DynamoDB** for state locking.
- Simplifying multi-account infrastructure management by implementing **Terragrunt** for DRY configurations and efficient resource provisioning.
- Using **Ansible** to automate deployment of packages across distributed environments.
- Proficient in using **YAML** for efficient Ansible playbook development.
- Developed **Dockerfiles** to create **Docker containers** that provide isolated, consistent environments for running Terraform commands and scripts, enabling efficient management of AWS infrastructure.
- Crafted **Dockerfiles** to create Docker images and seamlessly pushing them to **AWS ECR** with tag.
- Basic experience with **Kubernetes** on **AWS EKS** deployed containerized applications using **Deployment** and **LoadBalancer Service** manifests.
- Automated application deployment and service exposure through Jenkins CI/CD pipelines.

Cognizant Technology Solutions   **October 2018 – March 2022**

AWS Migration Engineer   *Kolkata, India*

- Leveraged **AWS MGN** service to efficiently migrate on-premises applications to the AWS Cloud.
- Utilized **Jira** and **Confluence** to manage project tasks and documentation.
- Proficiently managed and built the infrastructure using **Terraform** (IAC).
- Collaborated closely with application owners to understand their requirements, ensuring alignment with organizational goals and objectives.

TECHNICAL SKILLS

DevOps Tools: GitHub, Jenkins, Terraform, Ansible, Docker, Kubernetes
Cloud Exposure: AWS (EC2, S3, IAM, VPC, DynamoDB)
Containerization: Docker, AWS ECR, AWS EKS
CI/CD: Jenkins Pipelines
IAC: Terraform, Terragrunt, Ansible
Version Control: Git, GitHub, GitLab
Scripting: Shell (Bash)
Documentation & Tracking: Jira, Confluence

CERTIFICATIONS

- GitHub Foundations
- Jenkins - Udemy
- AWS certified DevOps Engineer- Udemy