

RATNADWEEP GHOSH

AWS DevOps Engineer

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github.com

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.
- Integrating **Git** with **Jenkins** for automated builds and deployments, ensuring continuous integration and continuous delivery pipelines, using **Poll SCM** or, **GitHub hook trigger**.
- Automating provisioning and management of AWS infrastructure using **Terraform/Terragrunt**, creating reusable modules for scalable, secure, and consistent deployments across environments.
- Integrating 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.
- Crafting **Dockerfiles** to create Docker images and seamlessly pushing them to **AWS ECR** with tag.
- Possessing knowledge of **Kubernetes** for container orchestration.
- Proficient in creating Kubernetes clusters using **deployment** and **service** manifest files within a limited scope.

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

Languages: Shell Scripting

DevOps Tools: GitHub, Jenkins, Terraform, Ansible, Docker, Kubernetes

Developer Tool: VS Code

Cloud Exposure: AWS cloud

CERTIFICATIONS

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