

Nabhoneil Chattopadhyay

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Professional Summary

DevOps/Cloud Engineer with 4 years of hands-on experience in infrastructure automation, container orchestration, cloud-native architecture and collaboration across cross-functional teams. Adept at building CI/CD pipelines, managing Kubernetes clusters and infrastructure-as-code (IaC) using Terraform. Skilled in delivering scalable, reliable, and high-performance solutions.

Technical Skills

CI/CD: GitHub Actions, Jenkins

Container Orchestration: Docker, Kubernetes, AWS EKS

Infrastructure Provisioning: Terraform

Configuration Management: Ansible

Cloud: AWS, GCP

Package Manager: Helm

Programming Languages: JavaScript, Golang, Java

Scripting & Automation Languages: Python, Groovy, Shell

Monitoring Tools: Prometheus, Grafana, Kibana

Databases: MySQL, PostgreSQL, MongoDB

Tools: JIRA, Confluence, Lattice

IDE: VS Code, Jupyter Notebook, Eclipse

Certifications

AWS Certified Solutions Architect | AWS Certified Cloud Practitioner | Certified Kubernetes Administration | HashiCorp Certified Terraform Associate

Work Experience

Senior Software Engineer Level 2 | Cineverse

February 2025 – present

Project: Performance Insights Engine of Cineverse OTT platform

Roles and Responsibilities: (Infrastructure Provisioning and DevOps)

- Established the DevOps culture across the organization, firstly by building a scalable CI/CD pipeline for the Insights team and then moving on to the other teams and forming a DevOps team to ensure successful deployment reliability.
- Spearheaded the designing of CI/CD pipeline of Java-based applications for automatic deployment on Tomcat Server to staging and production environment for the Performance Insights team, resulting in faster releases and reducing manual errors.
- Automating remote provisioning of Application and DB servers enabling speedy and seamless creation of a new Insights Engine whenever required.
- Developed auto-scaling of cloud bucket storage for file ingestion of daily subscription reports, improving system scalability, and ingestion efficiency.
- Collaborating with managers and senior architects to streamline the development of CI/CD pipeline, aligning delivery with business goal.
- Involving in the PI planning and managing JIRA tickets and Lattice for collaboration among teams.

Senior DevOps Engineer | Alumnus Software Ltd.

March 2023 – December 2024

Project: Health Tracking Platform

Roles and Responsibilities: (Cloud implementation for Health Tracking Platform)

- Built a data pipeline on AWS to collect smartwatch health data via mobile apps, process and store the results for making real-time analytics for end users.
- Optimized S3 with lifecycle and intelligent tiering rules to manage incoming sensor data efficiently, which helped cut down storage costs.
- Implemented Helm charts for deployments on EKS of backend services to ensure consistent versioning and seamless rollback, reducing release downtime and enhancing system reliability.
- Configured CloudWatch alarms for Lambda errors, EKS resource utilization limits, and DynamoDB throughput for performance issues early.
- Tuned Lambda performance and right-sized EKS resources to reduce latency, leading to noticeably faster API responses for users accessing their health data.
- Analysed JIRA and Confluence to track user stories, document deployment processes, and maintain comprehensive release notes, improving collaboration and knowledge sharing across teams.

Junior DevOps Engineer | Alumnus Software Ltd.

May 2020 – August 2021

Project: Supervision and monitoring platform (orchestrator) of an SD-WAN service provider

Roles and Responsibilities: (DevOps implementation and Development of supervision and monitoring platform)

- Implemented Python based simulator for sending appliances' raw data to Apache Kafka datahub for analyzing appliances' metrics, resulting in improvement of application coverage, scalability and performance.
- Spearheaded the development of the monitoring dashboard of millions of appliances across different global locations using Grafana plugins and Google Geolocation APIs.
- Incorporated CI/CD pipelines using Jenkins replacing legacy systems improving average processing time.
- Developed, maintained and debugged PromQL Recording Rules and Alerting Rules in YAML files and modified different versions of Grafana according to the client's needs.
- Created Grafana dashboards utilizing built-in plugins which helped stakeholders understand the health and performance of 1000s of appliances and made troubleshooting much easier.
- Tracked user stories for the agile team in the Jira dashboard and collaborated across the supervision team of 20 members.

Project: Home Router Testing Automation

June 2019 – May 2020

Roles and Responsibilities: (DevOps implementation for testing of routers)

- Designed an optimized CI/CD pipeline for automating the testing feature of routers and firmware reducing the release time from 8 months to quarterly. Due to DevOps along with Test Automation, Customer Reported bugs got reduced by 80%.
- Configured Jenkins to trigger tests automatically after each build by integrating testing workflows into the CI/CD pipeline enabling automated testing and improving software quality.
- Implemented Ansible for automating the configuration management of the servers during a hotfix leading to a reduction in server provisioning time.
- Led bug scrub to provide insights of the NBT and CST tests to all stakeholders.

Education

Western University London, Canada

MASTER OF ENGINEERING ECE (Software Engineering Specialization)

May 2021 – August 2022

Maulana Abul Kalam Azad University of Technology Kolkata, India

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE & ENGINEERING

September 2015 – July 2019