Sajal Devnath

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EXPERIENCE

NIMESA | Cloud Solution Engineer
04/2025 – Present | Bengaluru, IN

- Automated cross-region disaster recovery for **Amazon SNS** using **Terraform**, **Python (Boto3)**, **AWS Lambda**, **SQS**, and **CloudWatch** to enable event-driven failover and replay of messages from archived sources.
- Developed **Python scripts** to **replicate AWS SSM Parameter Store** data across environments for **secure password replication**, SQS messages, **Elastic Beanstalk environment variables**, S3 configuration data, EC2 key pairs, RDS credentials, and **secure API keys**.
- Automated cloud infrastructure provisioning using **AWS CloudFormation (YAML)** for backup, replication, and failover workflows in **disaster recovery** environments.
- Built and managed **IaC-based infrastructure** using **Terraform**, enabling consistent and repeatable architecture setups for internal environments.

NIMESA | Solution Engineer Intern
10/2024 – 03/2025 | Bengaluru, IN

- Researched and documented **AWS MSK Connector implementation (Custom Kafka plugin)** for **streaming data integration in distributed systems**.
- Authored internal technical documentation and led knowledge transfer sessions to streamline onboarding and support operational continuity.
- Maintained and updated the POC readiness matrix for cloud environments, improving coordination and visibility for deployment and testing schedules.

PROJECTS

BLOG APPLICATION ↗ | Java, Spring Boot, JWT, AWS Cloud
Jul 2024

- Built the application using **Java 17+**, **Spring Boot**, **Spring Security**, and **Spring Data JPA**, with **MySQL** as the database and deployment on **AWS Cloud**.
- Developed and documented **REST APIs** using **SpringDoc**, tested them with **Postman**, and deployed on an embedded Tomcat server.
- Utilized **Maven** as the build tool and implemented JWT for secure authentication and authorization.

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
BTech. Computer Science and Engineering
2020 - 2023 | Punjab, IN
GPA: 7.8/10

KINGSTON EDUCATIONAL INSTITUTE
Diploma in Computer Science and Technology
2017 - 2020 | Kolkata, IN
GPA: 8.3/10

SKILLS

PROGRAMMING & SCRIPTING
Java • Python

CLOUD & DEVOPS
AWS • Terraform • Jenkins • Kubernetes • Helm • CI/CD • Linux • System Administration

INFRASTRUCTURE & VERSION CONTROL
Git • GitHub

TOOLS & PLATFORMS
MS Office

CERTIFICATES

Kubernetes Lab for Beginners ↗
AWS Cloud Practitioner ↗
AWS Cloud Quest ↗
Java ↗

COURSEWORK

Object-Oriented Programming
Software Engineering Principles
Software Development Life Cycle (SDLC)

HOBBIES

Photography
Videography
Video Games