Sajal Devnath

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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

EXPERIENCE

NIMESA | Cloud Solution Engineer
10/2024 – 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.
- 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.

EXPENSE TRACKER ⬈ | ASP.NET Core, SSMS, Syncfusion Components
Jul 2023

- Developed a dashboard to provide an overview of expenses, including charts, summaries, and a transaction history with filtering options by date or category.
- Implemented reports and analytics features, enabling users to generate detailed reports and visualize expense patterns using interactive charts and graphs.

SKILLS

PROGRAMMING & SCRIPTING
Java • MySQL • Python • Bash

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

INFRASTRUCTURE & VERSION CONTROL
Git • GitHub

TOOLS & PLATFORMS
Snowflake • Salesforce • MS Office

CERTIFICATES

2025 Kubernetes Lab for Beginners ⬈
2024 AWS Cloud Practitioner ⬈
2024 AWS Cloud Quest ⬈
2022 Java ⬈

COURSEWORK

Data Structures and Algorithms
Object-Oriented Programming
Cloud Computing
System Design
Database Management Systems
Software Engineering Principles
Software Development Life Cycle (SDLC)

HOBBIES

Photography
Videography
Video Games