

# SOHIT SAHU

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

Master of Computer Application graduate focused on Cloud and DevOps Engineering. Driven to build highly reliable, automated systems that accelerate development. Demonstrated expertise through complex projects in CI/CD pipeline orchestration (**Jenkins, GitHub Actions**), container management (**Docker, Kubernetes**), and modern GitOps implementation (**Argo CD, Terraform**). Eager to apply systems-level thinking to enhance production reliability and automate the software delivery lifecycle at scale.

## EDUCATION

### Master of Computer Application

June 2023 – July 2025

Bundelkhand University, Jhansi, Uttar Pradesh

### Bachelor Of Computer Application (Hons.)

August 2020 – June 2023

Bundelkhand University, Jhansi, Uttar Pradesh

## SKILLS

**DevOps & CI/CD:** Jenkins, Docker, Kubernetes, Argo CD, Terraform, Ansible, Git, GitHub Actions, Bash Scripting, Linux

**Cloud Technologies:** AWS (EC2, S3, VPC, Lambda, EKS, IAM, Application Load Balancer, EventBridge, Auto Scaling, NACLs, Bastion Host, Route 53)

**Languages:** Java, Javascript, Python, SQL

**Web Stack:** Node.js, Express.js, React.js, Restful API, Mongodb

**Developer Tools:** VS Code, Postman, SonarQube, Maven, Boto3

## PROJECTS

### E-Commerce Devops Implementation

- Implemented core DevOps practices, including containerization, container orchestration, Infrastructure as Code, and CI/CD for a multi-microservice E-commerce application architecture.
- Utilized **Terraform** for Infrastructure as Code, successfully provisioning and managing an **AWS EKS** cluster within a custom **VPC** using modular definitions.
- Established an automated CI/CD pipeline for a Java-based microservice using **GitHub Actions** for continuous integration and **Argo CD** (GitOps) for single-touch, end-to-end deployment automation.
- Secured public access to the application by configuring **AWS Load Balancers** and mapping the frontend securely via **Route 53** DNS records to the domain provider.

### End-to-End CI/CD Pipeline — Jenkins & Kubernetes

- Orchestrated an end-to-end CI/CD pipeline using **Jenkins** to automate the software delivery lifecycle from code commit (**GitHub**) to production deployment (**Kubernetes**).
- Engineered the CI stage to automatically build Java applications with **Maven**, enforce code quality using **SonarQube**, and containerize with **Docker**.
- Implemented a GitOps-based CD workflow, pushing versioned Docker images to **Docker Hub** and utilizing **Argo CD** to automatically sync and deploy new versions to a **Kubernetes** cluster.

### Automated AWS Cost Optimization for EBS

- Engineered a serverless cost-optimization solution using **AWS Lambda** and **Python (Boto3)** to automatically scan for and delete orphaned EBS snapshots.
- Developed logic to cross-reference snapshots against active **EC2** instances and **EBS** volumes, preventing data loss and achieving an estimated monthly storage cost reduction of 35-40%.
- Automated continuous, multi-region governance by triggering the Lambda with **Amazon EventBridge** and securing it with a least-privilege **IAM Role**.

## CERTIFICATES

- AWS Certified Cloud Practitioner
- AWS Networking Basics