

# Jaypal Singh Sisodiya

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[Linkedin](#) • [GitHub](#) • [Portfolio](#)

Entry-level DevOps and Cloud Engineer with hands-on experience in automation, CI/CD, containerization, and cloud services. Skilled in using tools such as GitHub, Docker, Jenkins, and Terraform. Strong understanding of AWS basics, Linux and version control. Passionate about building scalable and efficient infrastructure.

## RELEVANT EXPERIENCE

### Python Developer - Intern

15/01/2025 - Present

HDFC-BANK | Remote

- Built an automated code optimization and error detection tool using Python to improve code quality and reduce manual effort.
- Gained practical experience with AWS, exploring cloud infrastructure and deployment concepts.
- Strengthened understanding of DevOps principles including CI/CD, containerization, and infrastructure automation.
- Started writing shell and Python scripts to automate routine tasks and system operations, improving internal tool reliability.

### Cybersecurity & Network Fundamentals - Intern

06/2024 -07/2024

Palo Alto Networks| On-Site

- Gained foundational knowledge in cybersecurity and networking, including threat prevention and firewall fundamentals.
- Hands-on experience in security tools, real-world use cases, and network infrastructure concepts.

## PROJECTS

### Build a CI/CD pipeline with Jenkins

- In this project, I used a simple **Python-app** to build a **CI/CD pipeline** using **Jenkins**.
- Different Stages involve, building of a jar file, building a **docker** image, creating a deployment server through **Terraform** on **AWS**, and finally deploying the docker image on development server.
- In this project, I used technologies such as **Git**, **Docker**, **Terraform**, **Jenkins**, **AWS**, **IaaS**.

### Full-Stack Node.js & MongoDB App on Kubernetes

- Developed a full-stack CRUD application using **Node.js** for backend and **React** for frontend.
- Containerized both frontend and backend services using **Docker** for consistent and portable deployments.
- Deployed the application on a **Kubernetes** cluster, enabling automated scaling, management and monitoring.
- Utilized **MongoDB** as the database, configured with **YAML** files for efficient service orchestration.
- In this project, I used technologies such as **Node.js**, **React**, **MongoDB**, **Docker**, **Kubernetes**, **YAML**, **Bash**.

### Configuration Management with Ansible

- Provisioned an **AWS EKS cluster** using **eksctl**, enabling a scalable and secure environment for Kubernetes workloads.
- Built a **CI pipeline** with **Jenkins** on EC2 to automate build, test, and integration processes efficiently.
- Integrated SonarQube and Trivy** for code quality analysis and container vulnerability scanning within the CI/CD workflow.
- Implemented **GitOps** using **ArgoCD**, deploying applications automatically from GitHub to the Kubernetes cluster.
- I used technologies such as **Jenkins**, **EC2**, **Docker**, **GitHub**, **Trivy**, **ArgoCD**, **EKS**, **SonarQube**, **AWS**.

## EDUCATION

Medi-Caps University | Bachelor of Technology in Computer Science

05/2022 - 07/2025

- CGPA: 7 /10.0

## SKILLS & LANGUAGES

**Skills:** AWS | Docker | CI/CD (Jenkins) | Kubernetes | Python | Terraform | Bash | Github | Reactjs

**Languages:** English | Hindi