

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 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**.

CI/CD Pipeline for Kubernetes Deployment on AWS EKS

- 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