Vaibhav Soni

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I am a results-driven DevOps Engineer with a passion for automating infrastructure, scaling cloud-native applications, and optimizing CI/CD workflows. With hands-on experience across AWS, Azure, Kubernetes, Docker, and Terraform. Despite coming from a non-CS academic background, I have gained experience through real-world projects, certifications (Terraform, AWS Cloud Practitioner, RHCSA), and continuous learning. I am now focused on learning Kubernetes (CKA in progress), learning AWS CDK with TypeScript, and contributing to scalable, enterprise-grade deployments.

Relevant Work Experience

Inexture Solutions   Ahmedabad, Gujarat
Junior DevOps engineer   May 2025 – Present

○ **Trading Bot CI/CD Pipeline**:
  – Built end-to-end Jenkins CI/CD pipeline with automated deployment for containerized trading application
  – Deployed Docker backend on AWS EC2 and frontend on S3 with CloudFront CDN for global distribution
  – Configured Nginx reverse proxy with authentication for /docs endpoints and API security
  – Integrated AWS RDS PostgreSQL database and Redis caching layer using Docker Compose
  – Implemented SonarQube code quality analysis and Dozzle real-time container logging with authentication

○ **Solvere Multi-Tenant Platform**:
  – Deployed full-stack Django backend and TypeScript frontend on AWS EC2 using Docker containerization
  – Configured wildcard domain setup and advanced Nginx proxy routing for multi-tenant architecture
  – Orchestrated PostgreSQL and Redis services with persistent volume management using Docker Compose
  – Created custom Dockerfiles and resolved complex CORS errors and routing configuration issues
  – Automated CI/CD deployment pipeline using GitHub Actions for both frontend and backend services

○ **DDA Enterprise Server Setup**:
  – Architected Liferay server infrastructure on Windows RDP with secure VPN connectivity
  – Configured multi-user environment with port diversification and isolated database instances
  – Installed and optimized complete technology stack: PostgreSQL, Java, Node.js, and Tomcat libraries
  – Troubleshot and resolved Java runtime errors for enhanced server performance and stability
  – Managed multiple user access on single RDP server through database and port separation

○ **Internal AI PoC Deployments**:
  – Deployed multiple AI applications using Python FastAPI, Streamlit, React.js, and TypeScript on Docker
  – Designed custom Docker network subnets for project isolation and optimized Alpine images from scratch
  – Built comprehensive Jenkins CI/CD pipeline with checkout, SonarQube analysis, and Flake8 linting
  – Implemented health checks, dependency management, and achieved 95%+ unit test coverage
  – Configured SSL certificates using Certbot and managed self-hosted GitLab repositories with Nginx proxy

○ **Jenkins Migration Project**:
  – Successfully upgraded Jenkins infrastructure from version 4.22 to 5.23 with minimal service disruption
  – Migrated Jenkins from bare-metal server to containerized Docker environment with enhanced security
  – Achieved complete migration with only 5-10 minutes downtime through careful planning and execution
  – Ensured 100% data integrity and plugin compatibility during infrastructure transition process
  – Conducted comprehensive week-long testing and validation before production deployment

Highskyit Solutions	Ahmedabad, Gujarat
DevOps Engineer	Feb 2023 – Nov 2023

○ **Azure Cloud Infrastructure Migration**:

  – Successfully migrated over 240+ Azure resources to Terraform-based Infrastructure as Code (IaC), enabling full automation and version control.
  – Designed and implemented reusable dynamic Terraform modules for App Services, API Management, Logic Apps, Service Bus, Storage Accounts, Key Vaults, and many more, reducing code duplication by 70%.
  – Developed standardized naming conventions and tag policies to ensure consistent, scalable, and compliant deployments across environments.

○ **DigitalOcean Kubernetes Cluster**:

  – Designed and deployed a highly available, production-grade Kubernetes cluster on DigitalOcean with multi-node architecture, integrated networking, and persistent volume provisioning.
  – Deployed Apache Kafka and ZooKeeper using custom YAML manifests, configuring the cluster for efficient distributed workload management with built-in fault tolerance and high reliability.

○ **Docker Container Customization**:

  – Designed and built a custom Docker image for FreePBX with an embedded Asterisk-9 server. Customized Asterisk configurations to support advanced client needs, including SIP trunking, call routing.
  – The customized Docker image was pushed to a private registry for reuse in Kubernetes deployments, enabling consistent rollouts across environments based on client-specific requirements.

○ **AWS Infrastructure Automation with Terragrunt and CI/CD**:

  – Provisioned and managed scalable AWS infrastructure using Terragrunt, adhering to Infrastructure as Code (IaC) best practices for modularity, reusability, and maintainability.
  – Automated end-to-end infrastructure deployments using Bitbucket CI/CD pipelines, enabling consistent, version-controlled, and environment-specific delivery.
  – Followed a structured code review process with two peer reviewers to ensure compliance with coding standards, security best practices, and maintainability before pull request approvals.
  – Enhanced cloud environment resilience and agility by implementing a modular Terragrunt architecture integrated with seamless CI/CD workflows.
  – Managed 6 AWS accounts using AWS Organizations with centralized billing and service control policies (SCPs), streamlining governance and security across environments.
  – Used AWS SSO to securely manage access across all accounts, enabling role-based access control (RBAC) and federated identity integration.

Technical Skills

○ **Cloud Platforms**: AWS, Azure, DigitalOcean
○ **Container Orchestration**: Kubernetes, Docker, Helm Charts
○ **Infrastructure as Code**: Terraform, Terragrunt, AWS CDK (TypeScript)
○ **CI/CD & Automation**: GitHub Actions, GitLab CI/CD, Bitbucket Pipelines, Ansible, Bash/Shell scripting
○ **Databases**: PostgreSQL, MySQL, Redis, MongoDB (containerized deployments)

Certification

○ HashiCorp Certified Terraform Associate (003) - 2024
○ AWS Certified Cloud Practitioner - 2023
○ Red Hat Certified System Administrator (RHCSA) - 2022

Education

Maharishi Dayanand Saraswati University	Rajasthan
Bachelor of Commerce (B.Com)	2020 – 2023