

JIBRAN SIRAJ NAKHWA

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SUMMARY

DevOps Engineer with over five years of hands-on achievement in designing and implementing cloud solutions, focusing on AWS services (EC2, S3, ELB, VPC, IAM, Route53, CloudFront, Glacier, RDS, etc.), Infrastructure as Code, and CI/CD pipelines. Maintains a proven track record in containerization (Docker, Kubernetes) and configuration management (Chef, Ansible, Puppet) within development, test, and production environments. Skilled in creating Terraform modules for automated provisioning and building robust pipelines with Jenkins, GitLab, and related DevOps toolchains. Collaborates with cross-functional teams to apply best practices, streamline workflows, and uphold security and compliance across multifaceted infrastructures.

WORK EXPERIENCE

Impact Guru Technology Venture Pvt Ltd

DevOps Engineer

Mumbai, IN

August 2021 – July 2023

- Increased provisioning speed by **50%** by designing **AWS virtual networks** (VPC, Subnets, Security Groups, Internet Gateways) through **CloudFormation** and **Terraform**, resulting in seamless on-premises integration and quicker deployments
- Boosted system scalability by **35%** by creating complete **AWS infrastructure** (EC2, RDS, S3, SNS, SES, Route53) via **CloudFormation** and **Terraform**, leading to stable **multi-environment deployments** and reduced configuration errors
- Cut hosting expenses by **25%** by configuring cost-effective, fault-tolerant systems (EC2, Security Groups, ELBs, AMIs, Auto Scaling), ensuring **99.9%** uptime for mission-critical applications
- Shortened release cycles by **30%** by orchestrating **Maven** builds to create artifacts from source code, delivering **consistent deployments** and minimal errors
- Accelerated infrastructure setup by 40% by leveraging **Jenkins** to manage **Git** checkouts and build WAR/JAR files with **Maven**, resulting in **continuous build-and-deployment** efficiency
- Unified build processes by configuring **Jenkins** as a centralized engine for DEV and PROD, reducing manual errors by **60%** and streamlining releases
- Maintained **99.95%** service uptime by configuring AWS-based **Kubernetes** clusters with **kops**, **kubectrl**, and **Terraform**, supporting seamless scaling for containerized apps
- Reduced code-to-production time by **45%** by developing **GitLab CI/CD pipelines** that integrated builds (**Maven**, **NPM**), testing (**Jest**, **JUnit**), scanning (**Sonar**, **Fortify**, **Twistlock**), containerization (**Docker**), and image management (**JFrog**), enabling consistent deployments across on-prem and cloud (**AKS/EKS**)

Impact Guru Technology Venture Pvt Ltd

Senior Software Engineer - Deployment

Mumbai, IN

January 2020 – July 2021

- Boosted reliability by **30%** by launching **EC2** (Linux/Ubuntu) for production and development, enabling secure backups through **S3** versioning and lifecycle policies
- Minimized merge conflicts by **40%** by employing **Git** for branching, merging, and versioning, achieving streamlined collaboration across multiple projects
- Lowered manual errors by **50%** by automating **AWS infrastructure** provisioning with **Terraform** and **Jenkins**, ensuring consistent deployments and simplified configuration via **Chef cookbooks**
- Accelerated build cycles by **45%** by creating **Python** and **Bash** scripts integrating testing, containerization, and deployment workflows, resulting in quicker releases
- Cut deployment wait times by **35%** by migrating from **SVN** to **Git**, providing streamlined repository management and faster releases

Impact Guru Technology Venture Pvt Ltd

Software Engineer - Deployment

Mumbai, IN

October 2018 – December 2019

- Created and configured Jenkins jobs for automated build pipelines, integrating **Git** checkout, **Maven/NPM** builds, scanning (Fortify, Sonar), and **Docker** image creation
- Deployed containerized artifacts by pulling images from **JFrog Artifactory** to **AWS**, configuring edge deployments, and managing routes/services
- Authored **Terraform** templates and **Chef** cookbooks for provisioning and configuring **EC2**, **S3**, and **ELB** resources
- Automated daily administrative tasks on **Red Hat Linux** using **Shell scripting** (**Bash**, **KSH**) and **Perl**, handling backups, system maintenance, and user administration

SKILLS

Cloud & Containerization:	AWS (EC2, S3, IAM, VPC, Route53, EBS, ELB, RDS, CloudWatch, CloudTrail, SNS, SQS), Azure (AKS), GCP, Docker, Docker Swarm, Kubernetes (K8s), Mesos, Bash, Python, Shell scripting, PowerShell
CI/CD & Automation:	Jenkins, AWS DevOps, Maven, Terraform, Ansible, Python, Bash, PowerShell, GitLab CI, Chef, Puppet, SVN
Observability & Monitoring:	Prometheus, Datadog, Splunk, Nagios, AWS CloudWatch, Grafana
Build Tools & Operating Systems:	Maven, NPM, MS Build, Linux (Ubuntu, Red Hat), Windows Server

PROJECTS

Terraform AWS Three-Tier Application (Web Server, MySQL, Network)

[Github Link](#)

- Provisioned a secure, scalable three-tier architecture on AWS, including a web server tier, a database tier using MySQL, and corresponding networking components (VPC, Subnets, Security Groups)
- Wrote Terraform modules for automated creation of VPCs, Subnets, Security Groups, and EC2 instances
- Deployed a highly available MySQL database with automated backup and monitoring configurations
- Integrated load balancing and auto-scaling for the web server tier, optimizing performance and resiliency

Kubernetes Hands-On (Pods, Nodes, Full Cluster Setup)

[Github Link](#)

- Set up a functional Kubernetes cluster to demonstrate end-to-end container orchestration, managing Pods, Nodes, and essential Kubernetes objects.
- Configured a multi-node Kubernetes cluster, defining deployments, services, and ingress controllers for application traffic routing.
- Managed rolling updates, rollbacks, and auto scaling features to maintain cluster health and meet varying workloads.
- Monitored cluster performance with integrated logging and metrics tools (e.g., Kubernetes Dashboard, Prometheus).

Docker Deployment with Django, Docker, Nginx, and MySQL

[Github Link](#)

- Built a containerized Django web application using Docker and orchestrated deployments with Nginx as the reverse proxy and MySQL for the database.
- Created Dockerfiles to containerize the Django application, configuring environment variables for database connections.
- Implemented Docker Compose for multi-container orchestration, ensuring seamless networking between Nginx, Django, and MySQL containers.
- Optimized Docker images and set up CI/CD workflows for automated builds and deployments into testing and production environments.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

[Certification Link](#)

AWS Certified Cloud Practitioner

[Certification Link](#)

Kubernetes for the Absolute Beginners – Hands-On

[Certification Link](#)

HashiCorp Certified: Terraform Associate DevOps Masterclass

[Certification Link](#)

Linux Commands & Shell Scripting Essentials

[Certification Link](#)

EDUCATION

Rutgers University

Newark, NJ

Master of Science in Information Technology and Analytics

December 2024

Mumbai University

Maharashtra, India

Bachelor of Engineering in Electronics Engineering

June 2018