

# AAYUSH JAISWAL

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DevOps Engineer with 4 years of experience in FinTech (Prime Brokerage – Securities Lending), specializing in large-scale, cloud-native infrastructure and automation. Proficient in AWS, Terraform, Jenkins, Python, and Golang. Earned multiple awards at Bank of America for driving impactful automation and ops efficiency.

## PROFESSIONAL EXPERIENCE

Bank Of America, India

Jul 2021 – Present

### Software Engineer 1-A

- **Trade Management System:** Provisioned and hosted a highly available Trade Management System on AWS by owning Terraform IaC for 40+ resources with drift detection, versioning, cost estimation pipelines and automated configuration via Ansible Tower, reducing manual setup time by 70% and improving deployment consistency across environments.
- **Serverless Test Pipeline:** Created serverless event and trigger based model execution using AWS S3 event notification via EventBridge, SQS, API gateway and lambda, reducing testing time by 85%.
- **OpenShift Migration:** Migrated 220+ applications from physical servers to the OpenShift across global regions with zero downtime; led resolution of crash looping pods despite green probes by identifying SOPS secret decryption failures due to SCC restriction and applying live deployment fixes during prod war room recovery.
- **One-Click Deployment:** Engineered end-to-end pipeline automation by developing a one-click multi region deployment workflow using Python, Jenkins, XLR, HashiCorp Vault and Ansible resulting a robust CICD pipeline with automatic ansible job template creation, dynamic config detection, parameter validation and error reporting-reducing deployment failures by 60%, debugging time by 50%, saving 2200 hours annually thus generating \$15,000 in cost savings.

Afford Medical Technologies pvt Ltd

Dec 2020 – June 2021

### Summer Intern

- **E-Commerce Website:** Optimised application performance by implementing multithreading in Go using mutex, (45% reduction in latency) and architected scalable microservices using gRPC, Docker, Kubernetes and Elasticsearch to efficiently handle 10K+ concurrent requests.

## PROJECTS

### Multi-Region AWS Serverless Static Website Architecture

Built it using Terraform (creating 80+ resources), ensuring high availability, disaster recovery, observability and low latency access via Route 53, CloudFront, Lambda, S3, Cloudwatch and DynamoDB Global Tables.

## CERTIFICATIONS

- [AWS Certified Solutions Architect - Associate](#)
- [Introduction to Containers, Kubernetes, and OpenShift V2](#)

## SKILLS

<b>DevOps Tech Stack</b>	AWS (VPC, S3, Lambda, API Gateway, SQS, SNS, EC2, KDS), Ansible Tower, Terraform, Jenkins, XLR, Jfrog Artifactory, Hashicorp Vault, Grafana, RBAC, Prometheus, Splunk, Docker, OpenShift, Git, Github Actions, Dynatrace
<b>OS, Framework &amp; DB:</b>	Linux (RHEL 9), Windows (2019), Spring Boot, Elasticsearch, MySQL
<b>Prog. Languages:</b>	Golang, Java, Python, HCL, Powershell, Shell
<b>Financial Domains</b>	Equities, Trade Lifecycle, Prime Brokerage (Securities Lending)

## EDUCATION

Vellore Institute of Technology (VIT)

2017-2021

**Bachelor of Technology, Major in Computer Science and Engineering**