

# Resume

**Atul Adsule**  
**Senior Software Engineer**

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## **I. PROFESSIONAL SUMMARY**

- An IT proficient & Software generalist having 6 + years of extensive experience in **DevSecOps processes, automations & best practices, SRE, Chaos engineering, Cloud Computing (AWS), Operating System (Linux)** and, **Agile-Scrum Framework**.
- Proficient in goal-driven **CI/CD Pipeline** for Automating Development, Testing and, Deployment process using **Jenkins, Jenkins Declarative Pipeline**.
- Hands-on experience in setting up Automated Continuous Deployment using **Kubernetes, Helm Charts** for Dev, QA, Perf, UAT & staging environment.
- Expertise in setting up Automated **Configuration Management** using **Redhat Ansible & Ansible-Tower** as a **Configuration as a Code (CaC)** tool.
- Good exposure in Automating Private/Public **Infrastructure Management** using **Terraform** as an **Infrastructure as a Code (IaC)** tool.
- Strong working knowledge on Continuous Development process handling **Distributed Version Controlling** system using **Source Code Management** tools like **Git, GitHub & GitLab**.
- Hand-on experience in **Project Build Management** tools like **Maven** for building Artifacts. Strong working knowledge of Build & Release activities.
- Proficient DevSecOps best practices, setting up **Code Analysis, Quality Gates** using **SonarQube, Checkmarx** & Cloud based security-based practices with help of VPC, IAM services.
- Strong working knowledge on **Containerizing Applications** using **Docker, Dockerfile**.
- Proficient in setting up **Monitoring & Alerting Tool** Process using **Prometheus, Grafana** to monitor Build Machines, CICD Applications, Container and, K8S Clusters.
- Good working knowledge on handling **Centralized Log Monitoring** using **Elasticsearch, Fluentd & Kibana (EFK)**.
- Proficient in **Site Reliability Engg., Performance Engg. & Chaos Engg.** to maintain applications resiliency, scalability, high availability, observability using tools like **Splunk SIEM, New Relic** & using chaos tool like **Gremlin**.
- Good working experience on **AWS Cloud**, services like **EC2, S3, ELB, RDS, CloudFront, VPC, SNS, IAM, EBS, EFS, Auto Scaling, CloudWatch, Route53, IAM, Cloud Formation, Glacier, EKS**.
- Proficient in **CloudOps**, to maintain & provision cloud storage, networking, scalability & accessibility, HA, DR, cloud monitoring & cost effectiveness.
- Good exposure in Automating daily activities using **Shell Scripting**.
- Hand-on experience on application servers **Apache Tomcat** & web Server **Nginx**.
- Expertise in **Agile project management (SDLC)** methodology – **Scrum Framework**.
- Worked closely with Project Manager, Architect, Testing & Production teams to align Project deliverables, dates & report issues/concerns.

## **II. ACADEMIC DETAIL**

Master of Technology in Electronics Engineering from Shivaji University, Kolhapur.

### III. PROFESSIONAL EXPERIENCE

- Worked as **Senior Software Engineer** at **LTIMindtree Limited** (From April 2021 to September 2023)
- Worked as **Software Engineer** at **Mphasis Limited** (From June 2017 to April 2021)
- Worked as **DevOps Intern** at **Wezva Technologies, Bangalore** (From June 2015 to June 2016)

### IV. ROLES & RESPONSIBILITIES

**Project: Citibank, India**

**(Aug 2022 – Sep 2023)**

**Role: SRE & Global DevOps**

- Contributed to the GFTS (Global Finance Technology & Service) account in Citi.
- Managed single handedly **SL & GL module** under GFTS.
- For SL & GL module, streamlined CI/CD pipeline.
- Connected with CSI app manager & SME to convince & to implement Security best practices. And implemented security best practices.
- Worked with testing for load testing with creation infrastructure for load testing.
- Worked on & implemented legacy CICD pipeline, so that it migrated to **CITI** owned **LightSpeed Enterprise tool**.
- Worked on & implemented ETL(Ab-Initio) CICD pipeline.
- Implemented SRE best practice for observability.
- Independently implemented **chaos engineering** experiment on lower environment with Chaos tool **Gremlin**
- Performed **Continuous Monitoring** for the Build machines, Deployment machines & applications running on different environments using **Prometheus** and **Grafana** for data visualization.
- Followed different **deployment strategies** like **Recreate, Rolling-Updates, Blue-Green and, Canary** depending upon Environment and type of requirements.

**Project: HSBC Software Development India**

**(April 2021 – July 2022)**

**Role: Platform engineer & SRE**

- Contributed for **MPO** (Mortgage Process Optimization: Lending).
- Worked for HaSe, AMH, Canada DIP & E-GADM India entities.
- Provisioned infrastructure for various entities.
- Actively worked & contributed to API Development team for Jenkins API deployment & resolving build issues.
- Infrastructure provisioning for SCT, MCT, CERT environments.
- Supported production level deployments.
- Collaborated with SHP team to resolve issues like service unavailability, work in progress, updates & patching.
- Provided support to developers for **Continuous Development** & responsible for maintaining Central repositories like setup projects, giving permissions, creating branches & protecting them as per the need & helping with the merge requests in **GitLab**.

- Created **CICD pipelines** using various tools like **Jenkins**, **Maven** for building Artifacts, **JACOCO** plugin for Code Coverage, **Sonar Scanner** for Code Analysis, **SonarQube** for running Quality Gates, **JFrog Artifactory** and, Docker for building the Product Image and pushed to **Docker Registry**.
- Good experience in developing various Kubernetes Objects like **Pods**, **ReplicaSets**, **Deployment**, **DaemonSet**, **StatefulSet**, **Services**, **Persistent Volumes**, **Secrets**, **Configmaps**.
- Building and Maintaining Docker Container clusters managed by Kubernetes. Utilized Kubernetes and Docker for the runtime environment of the CICD system to build, test & deploy env. which are automated using Ansible and Jenkins Job.
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**Project: Mphasis Limited**

**(June 2017-April 2021)**

**Role: SRE & Cloud engineer**

- Configured **Master-Slave** setup, Jenkins to implement nightly Builds on daily basis and, generated change log that includes changes that happened over the previous day.
- Performing Maintenance of Jenkins by taking **Backups**, uninstalling unnecessary plugins to **improve Jenkins performance**.
- Involved in development of test environment on Docker Containers and configured them using Kubernetes clusters and automated by developing **Ansible playbook**.
- Responsible for Dockerizing Applications and developing **Dockerfile** for the Base and Product Image
- Worked with **Ansible** as **CaC**, to configure, deploy and, maintain software components on the build Machines and deployment machines and multiple server configurations using playbooks and roles for infrastructure.
- Developed **Terraform file** for **Infrastructure as a code** to automate the provisioning of entire infrastructure needed for our Dev, QA, stage environment on CICD.
- Setup & manage **Docker-Swarm cluster** for Dev & QA deployment/environment.
- Defining **Maven Project Build** Configurations like pom.xml, setting.xml & setting up module-based builds.
- Tracking the status of the issue using **Jira** as an **ALM tool**.
- Analyzing application logs to determine the possible cause of issues and reporting errors. Involved in applications support the end to end and troubleshooting issues reported by QA/Prod team
- Created **EBS** volumes in AWS for achieving persistent volumes to store application files, which are running in Kubernetes cluster for Dev, QA, UAT & Stage environment.
- Created and configured **Elastic Load Balancers & Auto Scaling Groups** to distribute the traffic and to have a low cost, fault-tolerant and, highly available environment.
- Experienced in creating **VPC's** and private, public subnets as per requirements. Used **SG**, **NACL**, **IG** and, **RT** to ensure a secure zone for the organization in AWS public cloud.
- Created **S3** buckets to store files, backups & used as Terraform backend performed versioning. Configured various Life Cycle Policies to archive infrequently accessed data to storage classes.
- Worked with a different team in getting the **Release** done smoother and participated in the day-to-day **Scrum meetings**.

## DECLARATION

I hereby certify that whatever has been mentioned above pertains to my consent and is per my virtues and deliberations.