

# MANIKANDAN

## DEVOPS ENGINEER

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### CONTACT

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📍 Alandur, Chennai

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### SKILLS

- Version Control system: Git, GitLab, CE
- Build Tools: Maven, NPM
- Containerization: Docker
- Container Orchestration: Kubernetes
- CI/CD Pipelines: Jenkins, ArgoCD
- Provisioning: Ansible, Terraform
- Monitoring: Prometheus, Grafana
- Cloud Computing: AWS
- Linux Administration

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### EDUCATION

#### Bachelor of Mechanical Engineering

Tagore institute of engineering and technology

2020-2024

#### HSC

Dr. AKP Matric Higher Secondary School

2019-2020

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### CERTIFICATIONS

- Certification on AWS in BESANT TECHNOLOGIES
- Certification on DEVOPS in BESANT TECHNOLOGIES

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### SUMMARY

A passionate DevOps Engineer skilled in CI/CD (GitLab-CE, Jenkins, ArgoCD), containerization (Docker, Kubernetes), and cloud infrastructure management (AWS – EC2, IAM, S3, VPC). Proficient in automation with Terraform & Ansible, monitoring with Prometheus & Grafana, and Linux server administration. Focused on building scalable, efficient, and automated solutions

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### HANDS ON EXPERIENCE

- Used Maven and npm to automate build and deployment, improving efficiency and reliability.
- Created and deployed a custom Docker image, wrote a Dockerfile, and pushed the image to Docker Hub for easy sharing and deployment.
- Managed Kubernetes nodes, deployed pods, and configured deployments & services. Installed ArgoCD and implemented health checks for application reliability.
- Created and configured CI/CD pipelines in Jenkins for automated build, test, and deployment, ensuring smooth and efficient software delivery
- Automated infrastructure provisioning and management using Ansible and Terraform, streamlining deployments and ensuring consistency across environments.
- Managed AWS services (EC2, IAM, S3, VPC, RDS, DynamoDB) and deployed a serverless web app with Lambda. Deployed a Java Spring Boot app, ensuring scalability and efficiency.

### PROJECT

#### AWS

- **TITLE :** Deployed java spring boot application with MYSQL database connectivity
- **Description:** I have deployed java application in ec2 instance with application load balancer for security purpose I used vpc with public private subnet. monitoring tool cloud watch and SNS. Domain mapping route 53 service

#### DevOps

- **TITLE :** An end-to-end DevOps pipeline automates the software development lifecycle
  - **Description:** This DevOps pipeline automates CI/CD using GitHub, Jenkins, Maven, Docker, DockerHub, Kubernetes, and ArgoCD. Jenkins builds, tests, and pushes Docker images, while ArgoCD ensures seamless deployment to Kubernetes
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