

# Archana Dhoti

## DEVOPS ENGINEER

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### Profile summary

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**2+ years of experience as a DevOps Engineer, an AWS-certified professional and a skilled Linux Administrator**, with extensive expertise in designing and implementing scalable, secure and high-performance infrastructure solutions using a variety of **DevOps tools and AWS services**. Seeking to leverage my proficiency in cloud architecture, automation and systems administration to contribute to the success of Company.

### Professional Experience

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Inat Technologies Private Limited

Bengaluru, Karnataka, India (Remote)

Nov 2022 - Present

### Experience

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- **Git** for effective source code management, implementing version control system for codebase tracking. Additionally, **GitHub** is used for storing, preventing and collaborating a source code of project. also manage branching strategies for reducing errors.
- Collaborated with development teams to streamline **CI/CD** pipelines, improving code deployment efficiency.
- Managed containerized applications with **Docker** enhancing application scalability. authored Docker files in go language to build Docker images and used these images to create containers. Additionally, worked on extensively with Docker networks and volumes.
- Orchestration tool such as **Kubernetes**. In Kubernetes, automating the deployment, auto-scaling and management of containerized applications. For automating deployment wrote a **yml** file by using many objects like **Pods, Replica Controller, Replica Set, Deployment set, Daemon Set, Secret and config map** is for keep credential secretly. Also deploying microservices architecture with ingress object.
- Implemented monitoring solutions with **Prometheus** and **Grafana**, resulting decrease in incident response times.
- Developed and maintained infrastructure as code (IaC) using **Terraform**, enabling consistent and repeatable deployments. And create our Infrastructure on Cloud. In terraform I used block like **Provider, Resource, Terraform, Data, Variables, Output and Module** to create **tf** file which written in **HCL**.
- Configuration management tool **Ansible** for managing applications configuration, Automated routine tasks and reducing manual intervention, Applied playbooks for executing configuration deploy our tasks effectively.
- **Jenkins** for a automate the parts of software development lifecycle. automate the parts of software development related to building, testing and deploying. it's facilitating continuous integration and continuous deployment. responsible for establishing end-to-end CI and CD pipelines which integrating various tools such as **Git, Docker, SonarQube and Kubernetes**.

- Automated deployment processes using **Jenkins, Ansible and Terraform** reducing deployment time.
- Designed and implemented scalable **AWS** infrastructure using best practices for security, performance and cost management.
- Implemented security measures including **IAM** policies, encryption, and compliance standards to protect sensitive data.
- Storage services **S3** service for to store, protect and retrieve data from s3 bucket, **EBS** is for storing our data in Disk, **EFS** to manage data mobility. This all services helps to cost optimisation purpose.
- Set up monitoring solutions using Amazon **CloudWatch** and other tools to track system performance and generate alerts for anomalies.
- Conducted performance tuning and capacity planning for **Linux servers**, ensuring optimal resource utilization.
- Provided technical **support** and **troubleshooting** for complex issues & ensuring minimal downtime.
- Configured, maintained and monitored Linux servers and automated routines tasks using **shell scripts**.

## Skills

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- **Cloud Platforms:** AWS, Azure and GCP.
- **Configuration Management:** Ansible.
- **Containerization & Orchestration:** Docker and Kubernetes.
- **CI/CD Tools:** Jenkins.
- **Scripting Languages:** Python and bash.
- **Version Control:** Git, Github and Gitlab.
- **Monitoring & Logging:** Prometheus, Grafana and Cloudwatch.
- **Operating Systems:** Linux and Windows Server.
- **Networking:** VPC, Subnets, Route Tables, VPNs and Load Balancers.
- **Database Management:** MySQL, MariaDB and DynamoDB.
- **Security:** IAM, SSL Certificate, Security Groups and NACLs.

## Certification

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AWS DevOps Certificate

Simplilearn

<https://simpli-web.app.link/e/JedvTViRqOb>

## Personal Details

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**Education:** B.Tech

**Marital Status:** Unmarried.

**Languages:** English, Hindi and Marathi.

**Hobbies:** Writing, Travelling and Dancing.