

# SHREYA FEGADE

DevOps Enthusiast with Backend Experience

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## OBJECTIVE

AWS Certified Developer with 4 years of experience in backend development using Java and Python, now transitioning into a DevOps role. Eager to apply a strong foundation in software engineering and cloud technologies to DevOps practices such as CI/CD, containerization, infrastructure as code (IaC), and automation. Committed to building scalable, efficient, and reliable software delivery pipelines.

## DEVOPS PROJECTS

### 1. Server Monitoring with Prometheus, Node Exporter & Grafana

- Implemented a comprehensive server monitoring solution using Prometheus, Node Exporter, and Grafana, enhancing system performance visibility and proactive issue resolution.
- Tech Stack: Prometheus, Node Exporter, Grafana, Linux**

### 2. Implemented a CI/CD pipeline using Jenkins, Docker and Terraform to automate deployment on AWS

- Implemented a CI/CD pipeline using Jenkins and Docker to automate build, test, and deployment on AWS EC2. Integrated Ansible for server provisioning, ensuring consistent and reliable releases while reducing deployment time by 50%.
- Tech Stack: Jenkins, Docker, GitHub Actions, AWS (EC2/S3), Ansible, Terraform.**

### 3. Self-Hosted Kubernetes Cluster on Raspberry Pi servers.

- Set up a **Kubernetes cluster** from scratch on **3 Raspberry Pi devices**, each running Ubuntu OS.
- Used **kubeadm** to bootstrap the cluster, configuring one master node and two worker nodes.
- Performed OS-level setup including OS flashing, static IP configuration, hostname setup, and SSH access.
- Enabled **container networking** using **Calico** and configured pod communication across nodes.
- Validated cluster health using kubectl, deployed test workloads, and monitored node/resource status.
- Tech Stack: Kubernetes, kubeadm, Ubuntu, Raspberry Pi, Linux Networking, SSH.**

### 4. Centralized Logging with ELK Stack (Elasticsearch, Logstash, Kibana)

- Implemented centralized logging using ELK Stack, improving log analysis efficiency by 60%.
- Configured custom Logstash pipelines** to parse, filter, and enrich log data, improving the accuracy and relevance of insights in Kibana dashboards.
- Tech Stack: ELK Stack, Filebeat, Docker, AWS**

## MY LIFE PHILOSOPHY

There is no elevator to success, each one of us has to take the stairs.

Zig Ziglar

## CERTIFICATION

AWS Certified Developer - Associate

AWS [\(view creds\)](#)

AWS Certified Solution Architect - Associate

Udemy

## SKILLS

### Soft Skills

Teamwork

adaptability

Punctual

### Programming

Python

Java

Flask

FastAPI

NodeJS

Jest

SuperTest

### Software and Development Tools

VSCode

Cursor

Eclipse

IntelliJ

### Tools and Technologies

Terraform

Docker

Cloud Computing

PostgreSQL

Prometheus

Git

Linux

Grafana

MongoDB

AWS

MySQL

REST API

Jenkins

Ansible

GitHub Actions

CI/CD

Kubernetes

CloudFormation

ArgoCD

Kibana

Elasticsearch

GitHub

Node-Exporter

Sonarqube

Splunk

## EXPERIENCE

### Software Engineer Backend

Tata Consultancy Services

📅 04/2021 - Present 📍 Pune, India

Backend Engineer

- Designed and developed scalable backend solutions using **Java**, **JSP**, and **Servlets**, including RESTful web services for enterprise-grade applications, improving backend response times by **30%**.
- Integrated with **third-party APIs** and implemented secure data transfers using **web services** push approach based on scheduled cronjobs, enabling seamless system interoperability, enhancing data exchange reliability and reducing manual hand offs by **40%**.
- Created custom reports by extracting data from a licensed **DMS application** via **session management** and encapsulated access (getters/setters), streamlining reporting workflows without direct DB queries.
- Developed backend logic to support **two-way communication** with downstream systems using SFTP. Received Excel files from **three different sources**, merged them programmatically, and updated the final data set into the DMS application — improving data consolidation efficiency by **60%**.
- Optimized server-side performance by refactoring critical business logic, leading to **20% faster API response times** and improved system reliability under load.

## PUBLICATIONS

### Install Kubernetes Cluster on Raspberry Pi Server using kubectl

Medium

🔗 <https://medium.com/@smfegade2298/install-kubernetes-cluster-on-raspberry-pi-server-using-kubectl-76b22401c0b4>

A detailed walkthrough on setting up a self-hosted Kubernetes cluster on Raspberry Pi servers using kubectl, showcasing edge-computing readiness and infrastructure automation.

### Automate Docker Image Builds with Jenkins: A CI/CD Pipeline Triggered by GitHub Push

Medium

🔗 <https://medium.com/@smfegade2298/automate-docker-image-builds-with-jenkins-a-ci-cd-pipeline-triggered-by-github-push-f30c41adce8c>

Designed and implemented a CI/CD pipeline using Jenkins to automatically build and push Docker images to a Docker registry upon code push to GitHub. The pipeline utilizes a Jenkins file, Dockerfile, and requirements.txt stored in a GitHub repository, demonstrating seamless integration between version control, containerization, and automation tools.

## EDUCATION

### B.TECH. Computer Engineering

Government College of Engineering, Jalgaon

CGPA  
**8.23** / 10.0

📅 2016 - 05/2020

📍 Maharashtra, India

## FIND ME ONLINE

GitHub  
[shreya2298](#)

LinkedIn  
[@smfdeveloper](#)

Portfolio  
[shreya](#)

## LANGUAGES

English Proficient ●●●●●

Hindi Proficient ●●●●●

Marathi Native ●●●●●

## INDUSTRY EXPERTISE

CI/CD Pipelines (Jenkins, GitHub Actions)



Monitoring & Observability (Prometheus, Grafana)



Containerization & Orchestration (Docker, Kubernetes)



Infrastructure as Code (Ansible, Terraform)



Version Control & Collaboration (Git, GitHub)

