Vaishnavi Pangare

+91 9607486905   vaishnavipangare1304@gmail.com   LinkedIn   Medium   GitHub   Portfolio   Pune

DevOps and Cloud Engineer with proven AWS expertise, containerization skills, and leadership experience architecting scalable infrastructure solutions while actively contributing to tech communities through technical writing and volunteering

EDUCATION

AISSMS Institute of Information Technology,Pune   **Nov 2022 – Jun 2026**
Bachelors of Technology in Artificial Intelligence and Data Science

TECHNICAL SKILLS

– **Cloud & Infrastructure:** AWS (ECS, Fargate, EC2, S3, VPC, IAM, Route 53, DynamoDB, CloudWatch), GCP, Azure
– **DevOps /& MLOps:** Docker, Kubernetes, Helm, Terraform, Ansible, Jenkins, GitHub Actions, Prometheus, Grafana, MLflow
– **Databases & Version Control:** MySQL, PostgreSQL, MongoDB, Git, GitHub
– **Operating Systems and Scripting:** RHEL, Ubuntu, Linux Administration, Python, Shell Scripting, YAML, Groovy, BASH
– **Data Analysis:** Power BI, Tableau, EDA, Data Wrangling, Microsoft Excel, SQL

EXPERIENCE

Hosteze – [Founding Member and DevOps Cloud Engineer]   **May 2023 – Nov 2024**
- Architected and deployed AWS cloud infrastructure for student housing platform using S3, DynamoDB, Amplify, CloudWatch, and IAM to support roommate and room search functionality at scale
- Containerized applications using Docker and implemented automated CI/CD pipelines to streamline deployment processes and reduce operational overhead

Fiverr – [Freelance DevOps Engineer]   **Mar 2025 – Present**

PROJECTS

Orange Disease Detection System - MLOps Project   **Repository**
- Containerized CNN-based orange disease classification application using multi-stage Docker approach and pushed to Docker Hub, enabling consistent deployment across environments for the 4-class classification system (canker, black spot, greening, fresh)
- Implemented automated CI/CD pipeline using GitHub Actions for testing and deployment, ensuring reliable delivery of the Flask-based web application to production infrastructure
- Architected and deployed cloud infrastructure on AWS ECS with Fargate using Terraform for Infrastructure as Code, optimizing for serverless operation, scalability, and cost-efficiency while collaborating with teammates on the end-to-end MLOps solution

System Sentinel: Automated Health Monitoring   **Repository**
- Developed a menu-driven shell script for automated system health checks, including disk usage, services, memory, and CPU monitoring with real-time alerting reducing downtime and manual monitoring efforts by 90%.
- Implemented automated reporting, generating detailed health reports for real-time insights and historical analysis.
- Integrated cron jobs to schedule regular health checks, reducing manual effort and ensuring consistent monitoring.
- Delivered a lightweight solution to enhance system reliability, minimize downtime, and optimize resource utilization.

VPC-to-VPC Peering in AWS for Secure Multi-Environment Architecture   **Demo**
- Engineered secure VPC peering for direct, private communication between AWS VPCs, bypassing public internet.
- Configured subnets, Internet/NAT Gateways, routing tables, and IAM policies for controlled access and seamless connectivity.
- Optimized multi-environment architecture for scalability, achieving 99.9% private data transmission and enhanced security.

CERTIFICATIONS

Google Cloud Certified Associate Cloud Engineer	**Nov 2024 – Nov 2027**
GitHub Actions	**Jul 2024 – Jul 2027**
Oracle Certified Foundation Associate	**Sept 2023 – Sept 2025**

EXTRACURRICULAR ACTIVITIES

Technical Writer @Medium	**Sept 2022 – Present**
Cloud Lead at Google Developers Group, AISSMS IOIT	**Sept 2024 – Present**
Volunteer at AWS User Group Pune	**Feb 2025 – Present**

LANGUAGES

English — Hindi — Marathi — German