Harsha Seshadri

Bangalore, India• officialharsha31@gmail.com • LinkedIn

Work Status:

DevOps Engineer Professional

Cloud & DevOps Engineer with deep technical experience in analyzing client IT environments to identify DevOps transformation opportunities. I am skilled in CI/CD automation, toolchain architecture, and application lifecycle management in cloud and traditional environments. Adept at developing adoption roadmaps, mentoring engineers, and driving continuous performance improvement through modern DevOps practices.

PROFESSIONAL EXPERIENCE

ABI Health, Bangalore, India

Regarding ABI health small bio

DevOps Engineer   **(Oct 2024 -Jul 2025)**

Recruited by DevOps Expert to handle DevOps initiatives, why they appointed you

Responsibilities:

- Linux System Administration – Managing servers, performing updates, troubleshooting, and ensuring uptime.

- Windows Server Administration – Maintaining production builds, handling production activity, and applying regular Windows patching.

- CI/CD Pipeline Management – Working with tools like Jenkins and Git for automated build and deployment processes.

- Docker Containerization – Building and managing containerized applications.

- Cloud Technologies – Learning and working with AWS and Azure for infrastructure setup and deployment.

- Production Environment Maintenance – Monitoring system health, applying updates, and ensuring minimal downtime during deployments.

- Infrastructure Monitoring & Troubleshooting – Identifying and resolving performance issues in production.

Electrono Solutions Pvt Ltd, Bangalore, India

Information Technology System Administrator   **(09/2023 - 08/2024)**

Responsibilities:

- Designed and developed a Visitor Management System using Python (Flask), SQLite, PyOTP, SMTP, HTML, CSS, JavaScript, and Bootstrap.

- Implemented OTP-based email verification, document verification, and secure authentication workflows.
- Developed an IT Asset Management System in Django from scratch, including asset tracking, vendor and employee management, bulk import/export features, and dashboard statistics.
- Built responsive and user-friendly Bootstrap-based UIs for multiple internal and client projects.
- Managed local server infrastructure using Proxmox, VMware, and OpenStack (DevStack) for virtualization and testing environments.
- Configured network access control for office Wi-Fi, allowing only approved domains and implementing custom landing pages.
- Delivered client-facing projects such as the Cam Soori Tea Shop website with Zomato and Instagram integrations.
- Performed database management and backend integrations for internal tools and customer projects.
- Collaborated with teams to gather requirements, plan features, and deliver solutions within timelines.

SKILLS

Category	Skills
Cloud Platforms	Amazon Web Services (AWS), GCP, AZURE
CI/CD	Jenkins, GitHub Actions, Azure DevOps, GitLab, Docker, Kubernetes
AWS Services	EC2, S3, RDS, VPC, EBS,, IAM, CloudWatch, CloudFormation, Lambda
Azure Services	Defender for Cloud, Azure Devops, Key Valut, Azure Entra, Azure VM.
Operating Systems	Windows Server, Linux (Red Hat, Ubuntu), Unix
Scripting Languages	Python, Shell/Bash
Database	MySQL, Amazon RDS, MongoDB, PostgreSQL, Microsoft SQL Server
Monitoring	Prometheus, Grafana

EDUCATION & CERTIFICATION

➢ **NTTF (Nettur Technical Training Foundation), Bangalore, India**
Certifications:

➢ **CCNA Enterprise Networking, Security and automation**
➢ **AWS Identity Access Management**
➢ **Microsoft Azure Fundamentals**

PROJECTS

➢ **MEDFIX – Healthcare Management Platform**
  o Django-based platform hosted on AWS.
  o Supports appointment booking, medical records, and user management.
  o CI/CD automations using GitHub Actions.
  o Developed features like user authentication, scheduling, database models, image handling and admin dashboards.
  o Developed REST APIs to handle multiple business operations in the system.
  o Architected for handling best of the data to improve the performance in analyzing historic data.

➢ **CTCS – Codelementry Tracking & Control System**
  o Designed and developed a real-time asset monitoring and control system to track the status, performance, and software usage of all organization-owned computing systems across the network.

- o Implemented a centralized dashboard providing:
- o Live alerts on system anomalies or unauthorized activities.
- o Historical analytics on software usage, CPU/memory spikes, and installation events.
- o Visualization of system health and usage trends across time
- o Implemented a centralized dashboard providing Live alerts on system anomalies or unauthorized activities and Historical analytics on software usage, CPU/memory spikes, and installation events.
- o Visualization of system health and usage trends across time
- o Developed RESTful API endpoints for secure, controlled communication between client agents and the central database—designed for performance, scalability, and extensibility.
- o Engineered the database schema to be optimized for high-volume telemetry data, including logs of active processes, alerts, blocked events, and historical control actions.
- o This system is capable of handling heavy data since the database is architected to handle more data.
  Enhanced operational security by implementing endpoint verification and communication encryption during data exchange between client systems and the server.

➢ **Home Lab Infrastructure**
- o Built a virtualized home lab environment using Proxmox VE and OpenStack, enabling the orchestration and management of multiple virtual machines and containers on local hardware.
- o Deployed a self-hosted cloud storage system using Next Cloud, providing secure, remote access to personal files and backups with user authentication and file versioning.
- o Grafana installed: for real-time monitoring and visualization of system metrics and resource usage.
- o Integrated Grafana with Prometheus and node exporters to monitor resource usage (CPU, RAM, disk I/O, network activity) across VMs and containers, using dashboards for performance and uptime metrics.
- o Deployed solutions in the system and hosted a public website with rich restrictions and with a controlled firewall setting.