

Kabbil GI

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Summary

- Engineer with 5.9 years of total experience, including 4.9 years of relevant expertise in Linux/Unix server Administration with high availability in operational support and incident management.
- Skilled in troubleshooting complex issues and ensuring seamless system operations.

Skills

- **Cloud/Platforms** Azure, AWS, VMware, Openstack
- **Version Control System** Git, GitHub
- **Scripting** Python, Bash
- **Containerization** Docker, Podman
- **Databases** MySQL
- **IaC** Ansible, Terraform
- **Communication** Stakeholder engagement
- **Monitoring Tools** Prometheus, Grafana
- **CI/CD** Jenkins
- **Web Servers/Framework** Apache, Nginx, Flask

Work Experience

Spanidea Systems Private Limited Site Reliability Senior Associate

Sep 2023 – Present

Client: Synopsys, Inc.

- Diagnosed critical operational issues through root cause analysis (RCA), achieving a client services uptime of over 99% reliability, leading to enhanced customer satisfaction and reduced service interruptions
- Developed infrastructure deployments using Ansible playbooks, cutting manual processing time by 60%
- Created detailed documentation outlining troubleshooting procedures for common system errors encountered during daily operations which resulted in faster resolution times averaging just 10mins per incident reported
- Delivered L1 support to IBM spectrum LSF (Load Sharing Facility) in distributed high-performance computing environments
- Managed end-to-end host migration activities, successfully transitioning legacy CentOS servers (EOL) to AlmaLinux, ensuring uninterrupted service and compliance with industry standards.

HCL Technologies Limited Analyst

Jan 2021 – Jun 2023

Client: Blue Yonder, Inc.

- Maintained 3000+ Azure public cloud VMs and optimized resource allocation on 2000+ private cloud (VMware) VMs
- Led mock and actual disaster recovery (DR) troubleshooting sessions that ensured business continuity across a network of over 3000 azure public cloud VMs
- Maintained zero escalations during updates, ensuring seamless security patch application across 4000+ client environments

Ashok Leyland Limited Graduate Apprentice Trainee

Dec 2018 – Dec 2019

- Diagnosed issues in mechanical systems through detailed inspections, leading to a decrease in repair time from 2hrs to 1hr on average per system
- Earned praise from Unnikrishnan C (VP – Operations) and Srinivasan K (GM – Head Manufacturing)







Education

Saranathan College of Engineering

May 2014 – Jun 2018

Bachelor of Engineering in Mechanical Engineering

Certifications

- Microsoft Certified DevOps Engineer Expert (AZ-400) 
- Red Hat Certified Engineer (EX-294) 
- 3x Microsoft Certified Azure Administrator Associate (AZ-104) 
- Red Hat Certified System Administrator (EX-200) 
- Introduction to programming using Python (MTA 98-381) 
- Microsoft Certified Azure Fundamentals (AZ-900) 

Projects

Personal Portfolio Website (Flask, AWS, Docker, Nginx, MySQL)

Jul 2025 – Aug 2025

- **Description:** I recently built my own website **learnwithkabbil.in** from scratch, with a focus on industry-standard deployment practices and microservices architecture.

It included:

- Designing the frontend using **HTML** and **CSS** for responsive web layouts
- Writing **MySQL** queries for database operations and dynamic data handling
- Developing a **Flask** backend to serve content dynamically
- Structuring services with **Docker Compose** for isolated and portable deployments
- Configuring **Nginx** as a reverse proxy to securely route requests to the Flask app
- Hosting on **AWS EC2** with multiple services inside containers (App + DB + Nginx), exposing only 80 and 443 ports
- **Proof of Work:** [Portfolio](#) (converted to a static website and deployed it on GitHub pages)

Grafana-Prometheus DevOps Project (Azure & Jenkins Pipelines)

Nov 2024 – Jan 2025

- **Description:** This project involved the end-to-end setup and deployment of a Grafana and Prometheus monitoring stack within Docker containers, using both **Azure DevOps** and **Jenkins pipelines**.

It included:

- Automating deployment using **Ansible** and **Docker**, orchestrated via **Docker Compose**
- Setting up **Node Exporter**, **SSL certificates**, and configuring **Azure DNS zones**
- Leveraging **Azure DevOps for pipeline automation** in cloud-based environments
- Using **Jenkins** as the CI/CD tool and **Ansible** control node for on-prem deployments
- **Proof of Work:** [Azure DevOps & Jenkins Pipelines](#) || [Project Demo \(YouTube\)](#)

Data Extraction and Manipulation

Sep 2024 – Oct 2024

- **Description:** Implemented data collection and processing with Python script, saving the team over 25hrs per month in manual entry time. **Language:** Python

Proof of Work: <https://github.com/kabbilkarthi/Python>

NAS share Mounting

Jan 2023 – Feb 2023

- **Description:** Developed a custom shell script that facilitated the integration of mounted NFS shares across 30+ servers, resulting in improved system reliability. **Language:** Bash

Proof of Work: https://github.com/kabbilkarthi/linux/tree/main/NAS_Mount