LOKESH KUMAR

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Professional Summary

Proactive **DevOps Engineer** and **Linux & Windows Cloud Server Administrator** with hands-on experience in **automation, cloud infrastructure, server management, and backend development**. Skilled in **CI/CD pipelines, patching automation, scripting (Python, PowerShell, Bash), containerized deployment, and cloud integration (Azure, VMware)**. Proficient in **Python development using Django, Flask, REST/GraphQL APIs**, and managing **on-premises, cloud, and virtual infrastructures**. Adept at building end-to-end systems, improving efficiency, reducing downtime, and enabling faster delivery cycles.

Professional Experience

Accenture | App/Cloud Support Analyst

June 2024 – Present

- Automated alert responses and integrated **Python-based monitoring tools** for faster incident resolution.
- Managed hybrid **cloud infrastructure (Linux & Windows servers in Azure)** with focus on uptime, monitoring, and scaling.
- Resolved **Linux and Windows server incidents**, handling service requests and change management.
- Created and deployed **new servers** (on-premises and cloud).
- Performed **regular patching, housekeeping, and monitoring** of all servers.
- Developed **Python automation scripts** for server monitoring, alert resolution, and data parsing.
- Built **Flask-based microservices** and **RESTful APIs** for automated incident reporting.
- Supported **Active Directory (AD) administration** – user management, OUs, and group policies.
- Collaborated in **DevOps-driven workflows**, optimizing CI/CD automation and configuration tasks.

Wipro | Senior System Administrator

Dec 2023 – May 2024

- Built automation scripts for **Windows/Linux patching pipelines**, reducing manual effort and ensuring compliance.
- Spearheaded **Azure ARC integration**, bringing on-premises Linux/Windows servers under unified cloud governance.
- Automated **OS upgrades and software agent deployments** (Splunk, FireEye removal).
- Led **patching initiatives** for 1000+ servers, achieving major vulnerability reduction.
- Designed automation scripts in Python to reduce manual effort on patching & account cleanup.
- Created **Python tools and Flash dashboards** for system health and patching visualization.
- Implemented **GraphQL-based API endpoints** for flexible data queries from monitoring systems.
- Automated patching, reporting, and deployment using Python and PowerShell.
- Designed unit tests using Pytest to validate automation and data handling scripts.
- Enhanced system reliability through exception handling, modular code, and OOP principles.
- Managed VMware vCenter & ESXi hosts, including deployment, upgrades, and snapshots.
- Provided Active Directory support including user/group management and OU restructuring.

Wipro | System Administrator

June 2019 – Nov 2023

- Deployed servers in VMware environments and managed full lifecycle (provisioning → monitoring → patching).
- Contributed to automation of patching workflows across multiple server environments.
- Provided 24x7 monitoring and incident handling for enterprise infrastructure.
- Participated in agile/DevOps-style standups, handling server & infrastructure-related tasks.
- Assisted in Linux and Windows server provisioning and patching.
- Provided 24x7 monitoring, issue resolution, and escalation for enterprise environments.

- Participated in automation of routine administration tasks using scripting.
- Monitored systems for performance, uptime, and compliance.
- Delivered housekeeping, updates, and reporting for systems.
- Developed Python and Bash scripts for routine administration and maintenance tasks.
- Built lightweight Django modules for internal automation and real-time system stats.
- Utilized Django Templates & Jinja2 for dynamic data rendering in internal dashboards.
- Participated in infrastructure automation, optimizing patch cycles and server configuration.
- Gained strong experience in scripting, backend logic, and DevOps process alignment.
- Built and deployed Windows servers across VMware and physical environments.
- Performed housekeeping and patching of servers to maintain compliance and uptime.
- Monitored server health, alerts, and performance metrics across environments.
- Provided first-level user support on AD and server incidents.
- Managed VMware vSphere/vCenter – provisioning, snapshots, and server lifecycle management.
- Supported physical hardware servers – troubleshooting, maintenance, and vendor coordination.

Independent Project

Full-Stack Logistics Platform (klichnads.com)

2023 – Present

- Built and deployed a Python Django-based logistics web application with APIs & payment gateway integration.
- Personally assembled server hardware, installed Linux OS, and configured full production environment.
- Hosted application in a 24/7 live environment, ensuring high availability and resilience.
- Implemented CI/CD-like workflows – code deployment, updates, and environment patching.

- Applied monitoring, alerting, and automated recovery scripts to minimize downtime.
- Managed networking, firewall, and server security for end-to-end delivery.
- Practical exposure to DevOps practices: deployment automation, cost optimization, scaling, and uptime management.
- Designed backend modules using OOP, file handling, and Django ORM for reliability.
- Integrated Flask microservices and GraphQL APIs for asynchronous data exchange.
- Used Django Templates and Jinja2 for frontend rendering with dynamic data.
- Hosted the system on a Linux server (24x7 uptime) using Cloudflare security and automated patching.
- Implemented testing suites with Pytest for feature validation and API response accuracy.

Server Monitoring & Automation Tool

Python Internal Project | 2023
- Built a Python-based monitoring utility using multithreading, Paramiko, and REST API calls.
- Integrated GraphQL APIs to query live metrics and generate real-time reports.
- Implemented exception handling and logging mechanisms for uninterrupted execution.
- Automated health checks, email notifications, and self-recovery scripts for servers.

Education

- **M.Tech, Computer Science** – BITS Pilani, 2023 (GPA: 6.9)
- **BCA** – GLA University, Mathura, 2019 (GPA: 6.8)

Core Skills

- **DevOps Practices**: CI/CD pipelines, Infrastructure Automation, Monitoring & Alerting
- **Cloud Platforms**: Azure Administration, Azure ARC, VMware vSphere/vCenter
- **Automation & Scripting**: Python, PowerShell, Bash
- **Server Management**: Linux & Windows, On-Premises & Cloud

- **Patching & Vulnerability Management**: Automated patch pipelines (JetPatch, WSUS)
- **Configuration & Provisioning**: Server deployment (Physical, VMware, Cloud)
- **Monitoring & Incident Management**: 24x7 operations, custom monitoring tools
- **System Security & Optimization**: Firewalls, SSH hardening, compliance enforcement
- **Programming & Concepts**: Python, OOP, Data Structures & Algorithms, File Handling, Exception Handling
- **Frameworks**: Django, Flask, Django REST Framework, Jinja2, GraphQL
- **Testing**: Pytest, Unit Testing
- **Databases**: PostgreSQL, MySQL, SQLite
- **Web & API Development**: REST API, GraphQL API, Authentication, API Integration
- **Other Skills**: Monitoring Automation, Infrastructure Management, System Security

Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: Azure Solutions Architect Expert (AZ-305)
- Python Programming Certification

Achievements

- **Best Patching Manager** – Mitigated 4000+ vulnerabilities using Python-based automation in one cycle.
- **Nominated for Best Python Project** at Wipro.
- Successfully built and managed a **Linux-based production-ready server** running 24/7.
- Developed and deployed **production-grade Python web and automation solutions (klichnads.com)** end-to-end.
- Built a **Custom Server Monitoring Tool** for Windows & Linux servers using Python.