

Zaki Bawade

• bawadezaki@gmail.com • linkedin.com/in/zaki_bawade • https://github.com/zb2405

Linux-focused IT Operations and DevOps Engineer with a proven track record in Linux administration, automation, incident response, and infrastructure monitoring. Skilled in Bash and Python scripting, CI/CD pipelines, containerized deployments, and cross functional operations. Strong focus on reliability, documentation, and reducing operational overhead.

WORK EXPERIENCE

| | |
|--|--------------------------|
| Tesla Motors | 08/2021 - 04/2025 |
| IT Field Support, IT Operations | Fremont, CA |
| <ul style="list-style-type: none">Stabilized and scaled retail IT operations across North America by resolving high-volume, high-impact incidents and outages.Participated in on-call rotations, triaging incidents and coordinating recovery efforts.Automated Linux infrastructure operations using Bash and Python across production and lab environments, reducing manual intervention by ~40%.Built and managed CI pipelines using GitHub Actions, accelerating deployment cycles and cutting release times by ~30%.Deployed and operated containerized workloads using Docker, enabling consistent builds across development, staging, and production environments.Built Grafana dashboards to track system health, latency, and availability, preventing outages through early detection of performance issues.Reduced incident MTTR by 25–35% through improved alerting, root-cause analysis, and runbook-driven response processes.Managed and troubleshoot Linux servers (systemd, networking, storage, permissions).Integrated Zscaler connectivity and troubleshooting into infrastructure workflows, improving secure access reliability for internal users.Supported enterprise network operations involving Cisco vManage and Aruba infrastructure, assisting with audits, configuration validation, and issue resolution.Automated recurring operational tasks (health checks, validations, audits), saving several engineering hours per week.Partnered with cross-functional teams (network, security, application owners) to deliver infrastructure changes with zero unplanned downtime.Documented operational procedures, incident learnings, and system designs, strengthening team onboarding and knowledge sharing. | |
| Ensono | 05/2021 - 08/2021 |
| Implementation Engineer (Intern) | Downers Grove, IL |
| <ul style="list-style-type: none">Installed, configured, and supported Linux web and application servers via ticketing systems, resolving 20–30 tickets per month while meeting SLA targets.Administered and optimized Apache, NGINX, Tomcat, PHP, and MySQL stacks, maintaining stable performance in production environments.Automated server builds and application provisioning using Bash, Python, Ansible, and AWX, cutting build time by ~20% and reducing configuration drift.Monitored and analyzed CPU, memory, disk, and network utilization using OS utilities, shell scripts, and scheduled reports, preventing performance degradation.Executed OS patching, updates, and maintenance windows to maintain system reliability and high availability.Provided production incident support for critical systems, resolving outages and implementing root-cause fixes to reduce repeat issues. | |

- Hardened Linux systems by securing **SSH access**, mitigating **DDoS risks**, and enforcing **host-based firewalls** using firewalld and iptables.
- Built and maintained **LAMP stacks on RHEL**, managed **LVM storage**, and administered **XFS, EXT3/4, and NFS file systems** with ACLs and encryption.

Rochester Institute of Technology
Graduate Teaching Assistant

08/2020 – 05/2021
Rochester, NY

- Supported **Network Services and System Administration I** courses for **undergraduate students**, covering **Linux system administration, TCP/IP networking, DNS, DHCP, and routing fundamentals**.
- Guided students through hands-on labs and assignments using **Linux (CentOS), Bash scripting, SSH, Apache, and basic firewall configuration**.
- Assisted faculty with grading labs and exams, providing **clear technical feedback** on networking concepts, system configuration, and troubleshooting approaches.
- Diagnosed and resolved lab environment issues involving **VMware virtual machines**, Linux networking, and service misconfiguration; updated lab manuals to **reduce setup errors**.

Larsen & Toubro Electrical and Automation
Testing and Systems Engineer

05/2017 – 05/2019
Doha, Qatar

- Commissioned and supported industrial network systems for **critical infrastructure projects**, delivering **99.9% network availability** during production handover.
- Automated network configuration and provisioning workflows, **cutting deployment time by ~40%** and reducing manual configuration errors.
- Built, configured, and troubleshoot **Windows Server environments** supporting SCADA and control systems across **multiple project sites**.
- Executed **Factory Acceptance Testing (FAT)** with contractors and clients, validating **100% compliance** with functional, performance, and safety requirements before site deployment.

EDUCATION

M.S. in Networking and System Administration

Rochester Institute of Technology

Rochester, NY • 01/2019

CERTIFICATIONS

Red Hat Certified System Administrator (RHCSA)

Red Hat

10/2025 01/2029

Red Hat Certified Engineer (RHCE)

Red Hat

01/2026 01/2029

AWS Certified Cloud Practitioner

Amazon Web Services

01/2024

SKILLS

Programming & Scripting: BASH, Golang, Python

DevOps, Automation & IaC: Ansible, Docker, Git, GitHub, GitHub Actions, Jenkins, Kubernetes, Puppet, Rancher, Terraform

Monitoring, Observability & Incident Management: Catchpoint, Grafana, Opsgenie, Splunk

Cloud Platforms and Services: AWS, VMware

Networking & Security: Aruba, Cisco Meraki, Cisco SD WAN, DHCP, DNS, Juniper, Routing, VLANs, Zscaler

Endpoint, Identity & Enterprise Tools: Active Directory, Microsoft Intune, Microsoft Power Automate, SCCM