

KARANAM MANOJ

Software Engineer | Middleware Administration & Cloud Infrastructure

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PROFESSIONAL SUMMARY

Software Engineer with 1.5+ years of experience in middleware administration, Linux systems support, cloud infrastructure, and production operations. Skilled in deploying and maintaining enterprise applications on Apache Tomcat, JBoss, Apache HTTP Server, and Nginx across DEV, QA, UAT, and PROD environments. Experienced in incident management, change management, and root cause analysis using ServiceNow, with hands-on exposure to CI/CD support via Jenkins and Git. Proficient in Python automation, SQL, and Microsoft Azure cloud infrastructure, with a consistent record of streamlining operational workflows and reducing manual effort through scripting and process automation.

TECHNICAL SKILLS

Middleware & Web Servers: Apache Tomcat, JBoss, Apache HTTP Server, Nginx

Cloud Platforms: Microsoft Azure (Virtual Machines)

DevOps & CI/CD: Jenkins, Git, CI/CD Pipelines

Operating Systems: Linux Administration

ITSM & Monitoring: ServiceNow, Incident Management, Change Management, Root Cause Analysis (RCA), Log Monitoring, SLA Compliance

Data & Analytics: Tableau, Databricks, SQL

Programming & Scripting: Python, HTML, CSS

Automation: Python Scripting, Task Automation, Log Management, Health-Check & Service Validation Scripts

PROFESSIONAL EXPERIENCE

ASM Technologies — Software Engineer

Jan 2025 – Present

Chennai, India

- Administered enterprise middleware platforms, performing deployments and configuration changes on Apache Tomcat, JBoss, Apache HTTP Server, and Nginx across DEV, QA, UAT, and PROD environments.
- Managed Linux servers and application services, including cron jobs, service management, system monitoring, and performance troubleshooting to maintain operational stability.
- Supported Microsoft Azure Virtual Machine environments and coordinated CI/CD deployment activities using Jenkins and Git in partnership with development teams.
- Performed Incident Management, Change Management, and Root Cause Analysis (RCA) using ServiceNow, maintaining SLA compliance across production support operations.
- Monitored enterprise application logs and Tableau/Databricks job dependencies, investigating production issues and coordinating with infrastructure, database, and development teams to restore service availability.
- Developed Python automation scripts for service health checks, password maintenance, and log rotation/retention, and applied AI-assisted automation approaches to reduce manual operational effort and improve team productivity.

PROJECTS

Virtual Mouse Using Hand Gestures | Python, OpenCV

Built a computer-vision-based virtual mouse using real-time hand gesture recognition to control cursor movement.

Automated Log Monitoring System | Python

Developed a utility to scan application logs, detect exceptions, and generate automated alerts and reports.

Server Health Monitoring Dashboard | Python, SQL

Designed a dashboard to track service availability and server health, producing status reports and monitoring insights.

Employee Attendance Management System | Python, SQL

Built an attendance tracking system with employee record management and automated reporting features.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering

Bharath Institute of Higher Education and Research, India | 2020 – 2024 | CGPA: 8.5

CERTIFICATIONS

Python Certification • Static Website Development Certification • XML Certification • AWS Cloud Fundamentals Training • Palo Alto Networks Cybersecurity Virtual Internship