

Mahima Sankar Mitra

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PROFESSIONAL SUMMARY:

System Administrator with 5.5 years of experience in Linux and VMware. Expert in system deployment, performance tuning, automation, and virtualization. Led zero-downtime migrations and secured environments through proactive monitoring and scripting. Built a custom inventory management website (PHP, HTML, CSS) with Ansible-powered backend automation. Also skilled in delivering data-driven insights via Power BI dashboards.

SKILLS:

- System Administration(Centos/RHEL 6.x , 7.x and 8.x)
 - VMware ESXi 6.x & 7.x,Vcentre
 - Database: MySQL, MariaDB
 - AWS Fundamentals
 - MS EXCEL and Power BI
 - Ansible, Bash Scripting, Automation Frameworks.
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CERTIFICATION:

- AWS Fundamentals: Going Cloud-Native : Amazon Web Services (AWS)
 - SQL for Data Science : University of California, Davis
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EXPERIENCE:

Reliance JIO (Assistant Manager (12/2019 - Ongoing)

Navi Mumbai, India

- **Project 1: Capacity Planning and Enhancement of IPDR Log Collector Platform to match JIO Subscriber.**
 - Architected and led the deployment of critical Linux infrastructure across 24 circles PAN India.
 - Served as the Solution Architect for the IPDR Log Collector, successfully deploying over 200 physical servers and 800 virtual machines.
 - Engineered scalable BOMs aligned with subscriber growth forecasts.
 - Managed full OS and application lifecycle, ensuring system hardening and timely upgrades ensuring 99.99% uptime.
 - Integrated OSS for FCAPS and backup strategies
 - **Project 2: IPv6 IPDR DOT Compliance**
 - Led full-cycle project management—from site selection to FOA completion
 - Enhanced product by synergizing with vendors to boost capabilities by 50%.
 - Deployed and managed virtual machines using VMware ESXi, vCenter, and RHEL 7.x/8.x platform
 - Ensured seamless DOT-compliant IPv6 IPDR implementation for Jio, contributing to robust network integration and improved reliability.
 - **Project 3: Product Migration.**
 - Drove 100 % product finalization created GR, TR, NDD, HLD, and LLD, BOQ.
 - Identify the requirements for the new environment, including performance, scalability, security, and compliance.
 - Recognize product capabilities and coordinate with vendors for necessary enhancements.
 - Seamlessly completed the migration of over 500 VMs in a production environment without affecting service, ensuring zero downtime and maintaining high availability and performance standards
 - **Project 4: Central Management Server.**
 - Built a full-stack server management portal with PHP, HTML, CSS, and MariaDB, fully developed using AI-assisted tools.
 - Automated deployments and configurations and custom scripts via Ansible, cutting setup time by 90%.
 - Replaced SSH scripts with SNMP monitoring, boosting reliability and reducing manual effort by 80%.
 - Delivered a centralized dashboard with real-time KPIs and system health metrics.
 - Led end-to-end design and implementation across frontend, backend, database, and automation layers
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EDUCATION:

PILLAI COLLEGE OF ENGINEERING, MUMBAI UNIVERSITY
Bachelor of Engineering - Electrical & Electronics Engineering

Navi Mumbai, India

RYAN INTERNATIONAL SCHOOL
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Navi Mumbai India.