

TANMOY PAUL

Certified System Administrator and Cloud Architect

PROFESSIONAL SUMMARY

Experienced System Administrator with over **7.5 years** of hands-on expertise in managing, optimizing, and securing IT infrastructures, including **cloud platforms** like **AWS, GCP, and Azure**. Proven track record in ensuring **system reliability**, troubleshooting, and delivering solutions to improve **operational efficiency**. Adept at collaborating in cross-functional teams and solving complex problems in dynamic, high-pressure environments. I seek to leverage my technical skills, **cloud computing, DevOps, and security** expertise to support business continuity and organizational success.

TECHNICAL SKILLS:

- **Cloud Platforms:** AWS, GCP, Azure, DigitalOcean, Linode, Bluehost, Hetzner, GoDaddy and 50+ others.
- **Operating Systems:** RHEL, Ubuntu, Windows Server
- **Web Servers:** Apache, Nginx, Caddy
- **Email Systems:** PowerMTA, Postfix, Mailwiz, Mautic, AWS SES, Gmail SMTP
- **Content Management Systems (CMS):** LAMP, LEMP, WordPress, Laravel, Node.js
- **DevOps & Version Control:** Jenkins, Git, GitHub, GitLab, Docker, Kubernetes, CI/CD
- **Security & Optimization:** SSL/TLS, Cloudflare, Fail2Ban, UFW, SELinux, Web Application Firewalls
- **Scripting & Automation:** Shell scripting, Cron jobs, Ansible
- **Control Panels:** cPanel, Plesk, Webmin, WHM, HestiaCP, Virtualmin

PROFESSIONAL EXPERIENCE: 7.5 years +

Weavers Web Solutions Pvt. Ltd.
System Administrator

Kolkata, West Bengal
Jun 24, 2019 - Present (5.6 years +)

- **Deployed and configured** Node.js, Next.js, React.js, Python, Laravel, Java, and WordPress applications on cloud instances, utilizing **NGINX and Apache2** to ensure a **30% increase** in website performance and **improve security** by reducing vulnerabilities.
- **Managed and automated SSL certificate implementations** (paid and free) with **Certbot**, ensuring **100% compliance** with SSL standards and reducing manual configuration time by **40%**.
- **Built CI/CD pipelines** using **Jenkins** and **Git**, which reduced deployment time by **50%** and improved release consistency, resulting in **99.9% uptime** for production systems.
- **Developed and managed Cron jobs** to automate recurring tasks, cutting down manual workload by **35%** and ensuring **timely execution** of scheduled processes across multiple projects.
- **Implemented real-time application solutions** by developing and maintaining socket servers, improving response time for live location tracking and instant messaging by **20%**, and ensuring low-latency API calls for **500+ concurrent users**.
- **Integrated email systems**, configuring **SMTP identities** for secure email delivery via **AWS SES, Gmail**, and other platforms, ensuring **100% email deliverability** for application communications.
- **Administered cloud and local systems**, leveraging **Ansible** for configuration management, reducing system provisioning time by **60%** and increasing server uptime by **99.9%**.
- **Optimized MySQL and MongoDB databases**, increasing query efficiency by **40%** and ensuring **99.99% uptime** for critical project data.
- **Managed FTP/SFTP accounts**, ensuring secure file transfers for **developers**, increasing productivity and security compliance by **50%**.

- **Managed and maintained** hardware infrastructure, local systems, **virtual machines (VMs)**, and cloud environments, ensuring **99.9% system availability** and supporting seamless operations for over **50+ applications** across various platforms.
- **Optimized system configurations** to improve overall performance, reliability, and efficiency, resulting in a **25% increase** in system throughput and a **15% reduction** in resource consumption across diverse environments.
- **Led the planning, testing, and execution** of system changes, updates, and upgrades for local systems, VMs, and cloud servers, achieving **zero downtime** during 20+ major updates and minimizing system disruption during transitions.
- **Proactively monitored system health** and performance metrics, identifying and resolving potential issues before they impacted uptime, contributing to **90% operational uptime** and reducing incident response time by **30%**.
- **Collaborated with cross-functional teams** to troubleshoot and resolve complex hardware and **Linux-related issues**, ensuring **90% issue resolution** within the first 24 hours and contributing to continuous operations across all teams.
- **Implemented regular system updates, patches, and upgrades**, improving system security and performance, resulting in a **40% reduction** in vulnerabilities and ensuring **compliance** with security standards and best practices.
- **Documented and maintained detailed system configurations, processes, and procedures**, enhancing operational continuity and reducing onboarding time for new team members by **15%**.

- **Optimized PowerMTA and Postfix configurations**, improving email deliverability by **30%** and reducing bounce rates by **25%**, ensuring **99.9% uptime** for email services and supporting seamless email communication.
- **Implemented DKIM, SPF, and DMARC protocols** to enhance email security, prevent spam, and ensure compliance with industry standards, resulting in a **40% reduction** in spam complaints and achieving **compliance** with major email providers' requirements.
- **Monitored server performance** and proactively identified potential issues, resolving **95% of performance-related incidents** within the first 24 hours and improving overall system stability by **15%**.
- **Developed and implemented automation scripts**, reducing manual intervention in server management tasks by **20%** and optimizing resource utilization, leading to a **10% improvement** in server efficiency.

CERTIFICATIONS:

- **CKA: Certified Kubernetes Administrator**
 - Certification ID: LF-2mfn1vm3qg
 - Issued: January 20, 2025
 - Verification Link: [CKA Verification](#)
- **AWS Certified Solutions Architect – Associate**
 - Certification ID: PDTFRHR1VM1Q1FCJ
 - Issued: June 16, 2023
 - Verification Link: [SAA Verification](#)
- **Red Hat Certified Engineer (RHCE)**
 - Certification ID: 210-154-050
 - Issued: November 30, 2022
 - Verification Link: [RHCE Verification](#)

- **Red Hat Certified System Administrator (RHCSA)**
 - Certification ID: 210-154-050
 - Issued: September 14, 2021
 - Verification Link: [RHCSA Verification](#)
- **AWS Services for Solutions Architect – Associate (Udemy)**
 - Certification ID: UC-ca77d69f-1f0f-4843-a38e-e2bb95e90598
 - Issued: July 02, 2021
 - Verification Link: [Udemy Certification Link](#)
- **In Progress**
 - Terraform
 - Python