

Santanu Ghosh

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Career Objective

RHCSA-certified Linux System Administrator with experience in RHEL, Ubuntu, AWS, and Azure, skilled in Linux server administration, cloud infrastructure, networking, security, troubleshooting, and Ansible automation, with hands-on experience managing production environments, monitoring systems, and maintaining high availability.

Technical Skills

- **Cloud:** **AWS** (EC2, S3, EFS, EBS, VPC, IAM, CloudWatch, Route 53, ELB, Security Group, User data, Auto Scaling, Launch Templates) **AZURE** (Azure VMs, Managed Disks, Blob Storage, Azure AD, V Net, Azure DNS, VMSS, Azure Load Balancer, Azure Image Gallery, ARM Templates/Bicep, Azure VPN).
- **Linux:** Red Hat Enterprise Linux (RHEL), Ubuntu, LVM, YUM/DNF, SSH, SCP, NFS, User & Group, Samba, Web server Management, Patch Management, Log Analysis, System Administration, Ansible, Semaphore, Cron, SeLinux, iptables.
- **Windows Server Administration:** Windows Server (2012 R2, 2016, 2022 & 2025) AD DS, OU, GPO, FSMO roles, and LDAP management.
- **Monitoring:** Grafana, Zabbix, Observium.
- **Virtualization:** Proxmox VE, VMware, Hyper-V.
- **Networking:** TCP/IP, DNS, DHCP, VLAN, VPN, Subnetting, VLSM, FLSM, AP, Basic Switching & Routing, Firewall Basic.

Professional Experience

ASSOCIATE SYSTEM ADMINISTRATOR

Feb 2026 – Present

mPokket Financial Services Private Limited

- Managed AWS S3 storage, EC2 instance, backup operations, and disaster recovery processes
- Debugged production failures and performed root cause analysis to improve system reliability.
- Managed Zimbra mail administration, including user accounts and mail-related troubleshooting.
- Configured and monitored Grafana, Observium, and Zabbix dashboards, while maintaining NTP synchronization across Linux servers.
- Managed Linux users, groups, permissions, SSH, packages, services, and disk management.
- Performed server monitoring, troubleshooting, backup/restore, and log management.
- Automated server provisioning and configuration management using Ansible and Semaphore with GUI and role-based access.
- Handled Linux networking and basic shell scripting for automation.
- Monitored patching status, handled failed/unreachable systems, and maintained centralized execution and reporting.

NETWORK SUPPORT ENGINEER

Jan 2025 – Feb 2026

Jupiter Computers (Client: IIT Kharagpur)

- Assisted in a large-scale network installation project at IIT KGP (Phase 3).
- Configured and troubleshoot enterprise switches and routers
- Installed, configured, and managed Linux servers.
- Managed Linux production systems ensuring uptime and performance.
- Handled incidents and performed root cause analysis in production.
- Managed Linux users, groups, permissions, SSH, and basic security hardening.
- Administered Windows Server, including Active Directory, DNS, DHCP, and Group Policy.
- Performed backup/restore and troubleshooting of system and network-related issues.
- Managed basic antivirus/endpoint security, firewall configuration, and security monitoring.

Certifications

- Red Hat Certified: Red Hat Certified System Administrator (RHCSA) – Credential ID 250-186-616 (Dec 2025)
- AWS Certified Solutions Architect – Associate (SAA-CO3) - Credential ID 3fcdcd36e2c4a018b75620f6f4f564c (Aug 2026)
- Microsoft Certified: Azure Fundamentals (AZ-900) – Credential ID wLcM-Fa44 (April 2025)

Projects

- **Scalable Web Application Hosting on AWS using EC2, Amazon EBS, Auto Scaling, Application Load Balancer (ALB) & Route 53**
 - Deployed a scalable web application on Amazon EC2 with EBS storage and automated provisioning using User Data scripts.
 - Created reusable AMIs and Launch Templates for standardized EC2 deployments.
 - Configured Auto Scaling Groups, CloudWatch scaling policies, and ALB for high availability
 - Integrated a custom domain with Amazon Route 53 and validated scaling, health checks, and load balancing.
- **Infrastructure Automation using Ansible & Semaphore**
 - Developed Ansible playbooks for automated Linux server configuration and deployment.
 - Managed centralized automation workflows using Semaphore.
 - Configured mDNS to enable Linux systems to be reachable and accessed using hostnames instead of IP addresses.
 - Configured passwordless SSH access using SSH key-based authentication with ssh-keygen for secure management.
 - Automated Linux patching and maintained centralized patch-status monitoring through Grafana dashboards for real-time visibility and reporting.

Education

Brainware University <i>Masters of science in advance networking and cyber security</i>	2023 – 2025 84%
Brainware University <i>Bachelor of science in advance networking and cyber security</i>	2020 – 2023 82%
Bibhishanpur High School (H.S.) <i>West Bengal Council of Higher Secondary Education (WBCHSE)</i>	2020 86%

Languages

English, Hindi, Bengali (Full professional Proficiency – Speak, write, Read)