

SWAPNIL KUMAR

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SUMMARY

Cloud & Automation Engineer with 2+ years at Accenture managing 550+ Linux servers across AWS, Azure, and GCP. Built fleet-wide automation using SaltStack and Bash that cut manual effort by ~40%, resolved production kernel and boot failures with zero data loss, and optimized infrastructure costs by ~70%. Backed by 7 industry certifications including Microsoft DevOps Engineer Expert.

SKILLS

Operating Systems: Linux administration, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES).
DevOps & Automation: Git, Docker, Kubernetes, GitHub Actions, Ansible, Terraform, SaltStack, SUSE Manager.
Cloud & Infrastructure: AWS (EC2, S3, IAM, VPC), Microsoft Azure, Google Cloud Platform (GCP).
Scripting & Programming: Python, Bash/Shell scripting, JavaScript, SQL.
Monitoring & Tools: Splunk, ServiceNow, Prometheus, Grafana.

EXPERIENCE

Accenture	Sep 2024 – Present (2+ years)
Associate Software Engineer - Linux & Cloud Automation	Gurugram, India
<ul style="list-style-type: none">Built a Salt-based remote execution tool to automate prechecks across hundreds of servers; added CPU-aware batching and retry logic after resolving a P2 overload incident on the Salt Master.Automated fleet-wide Amazon Corretto (Java) deployment via Bash with staged rollout (single server to non-prod to prod); pattern reused for server onboarding, compliance reporting, and Splunk upgrades.Administered 550+ RHEL/SUSE servers, performing OS upgrades (SUSE 12.5 to 15.7, RHEL 7.9 to 8.10), patching compliance, and server lifecycle management (provisioning, decommissioning, inventory).Recovered production servers from kernel boot failures and incorrect fstab entries using console access, AWS snapshot restore, and rescue media. Zero data loss, completed within maintenance windows.Conducted SAR analysis to identify CPU/memory utilization trends, recommending downsizing of idle resources to save ~70% in infrastructure costs.Identified and resolved false Splunk monitoring incidents by tracing misconfigured blackout windows across snoozed servers, reducing operational noise for the monitoring team.Led "Top Talker" incident review calls with RCA in Excel, represented the Linux team in cross-functional calls, and conducted KT sessions to onboard junior engineers.Honored with the Molson Coors Brilliance Award and client recognition for exceptional system support and technical performance.	

PROJECTS

InfraForge - Cloud-Native CI/CD & Monitoring Platform	
Technologies: Terraform, Kubernetes, Docker, GitHub Actions, Ansible, Prometheus, Grafana	
Problem & Approach: Manual microservices deployments caused configuration drift. Automated provisioning via Terraform/Ansible and established a GitHub Actions CI/CD pipeline to deploy containerized services to Kubernetes.	
Outcome: Achieved zero-downtime rolling updates with real-time cluster health monitoring via Prometheus and Grafana.	
Docker Snoozing Portal - Container Resource Management Dashboard	
Technologies: Node.js, Express.js, SQLite, Docker Engine API, node-cron, JWT, TOTP 2FA	
Problem & Approach: Multi-container Docker Compose stacks running 24/7 wasted CPU/RAM. Built a self-hosted portal using the Docker Engine API to programmatically stop and start container groups on cron schedules.	
Outcome: Centralized visual scheduler managing 10+ containers with missed-schedule catchup for OS sleep states and custom TOTP-based 2FA authentication.	

EDUCATION

Indian Institute of Technology Mandi	Completed: Aug 2025
Minor in Data Science & Machine Learning	CGPA: 8.1 / 10
Chandigarh University	Graduated: Jul 2024
Bachelor of Computer Applications (Computer Applications - AR/VR)	CGPA: 8.11 / 10

CERTIFICATIONS

- Microsoft Certified: DevOps Engineer Expert ([Verify](#))
- Microsoft Certified: Azure Administrator Associate ([Verify](#))
- Google Cloud Certified Associate Cloud Engineer ([Verify](#))