

Kunal Sharma

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SUMMARY

Skilled in Shell Scripting, Docker, and Linux system administration, with hands-on experience in AWS cloud services. Successfully deployed and managed EC2 instances, automated infrastructure using Terraform, and implemented Auto Scaling Groups to optimize performance. Passionate about using automation and cloud tools to build scalable and cost-effective IT infrastructure solutions.

EDUCATION

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| • Thapar Institute of Engineering and Technology
Master of Engineering in Computer Science, CGPA: 8.02 | Patiala, India
Aug 2022 – July 2024 |
| • BK Birla Institute of Engineering and Technology
Bachelor of Engineering in Computer Science, CGPA: 8.24 | Pilani, India
Aug 2018 – July 2022 |

WORK EXPERIENCE

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| Stryker
IT – Cloud & Infrastructure Intern | Gurugram, India
July 2023 - July 2024 |
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- **AWS Services:**
 - Provisioned and Managed EC2 Instances:** Successfully created and managed EC2 instances with high-end CPUs and EBS volumes to support high-performance computing needs and optimize storage requirements for various projects.
 - Automated Infrastructure Deployment:** Utilized Terraform to automate the deployment of multiple EC2 instances, streamlining the setup process and ensuring consistency across environments.
 - Implemented Load Balancing Solutions:** Developed and configured load balancers to ensure high availability and fault tolerance, distributing traffic evenly across multiple EC2 instances and automatically rerouting traffic in case of instance failure using Auto Scaling groups.
 - **ServiceNow-CMDB:**
 - Implemented a systematic approach to remove outdated CIs from the CMDB, improving data accuracy by 35% and system performance, which led to a 20% reduction in incident resolution time.
 - Generated comprehensive Incident CI Reports in ServiceNow, providing insights into the impact of incidents on various IT assets and facilitating informed decision-making.
 - Collaborated with cross-functional teams to identify and resolve discrepancies in CMDB data.

Projects

- Achieved enhanced system uptime and team responsiveness by automating memory and CPU usage alerts with real-time notifications.
- Reduced manual intervention in container management by scripting Docker workflows for deployment and performance tracking.
- Architected a secure web application stack by isolating the MySQL database in a private subnet with NAT Gateway for internet access, exposing WordPress via a public EC2 instance, and managing updates through a Bastion Host.

SKILLS

Soft Skills: Adaptability, Problem-Solving, Communication.

Languages: C++, Python, Shell Scripting

Technologies: Docker, AWS, Bash, Git, GitHub, Ansible, Kubernetes, Linux.

CERTIFICATIONS

- **RHCSA:** Redhat Certified System Administration on Version 8.
- **AZ-900:** Microsoft certified azure fundamentals.
- **ITIL:** Information Technology Infrastructure Library Certified.