**Harshit Mamgain**

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**SUMMARY**

Professional with over 3 years of experience at Ericsson, specializing in Identity and access management, networking, storage, and application deployment. Proven track record of consulting businesses to achieve operational and business goals in a cost-effective manner and possess a solid understanding of DevOps and ITIL methodologies. Driven by passion and a competitive spirit, possess a track record of setting ambitious goals and consistently surpassing them.

**TECHNICAL SKILLS**

**Cloud Providers |** *Azure & AWS* **Azure Networking** **|** *Network Security Groups, Azure Firewall, Azure DNS, Azure Load Balancer, Azure Application Gateway, Traffic Manager, VPN & ExpressRoute.* **Azure Storage |** *Storage accounts, Azure File Sync, Access keys & Shared Access Signatures* **IAM |** *Azure AD, RBAC & Application Integration* **Monitoring |** *Azure Monitor, Log Analytic Workspace, Microsoft Sentinel & Intune* **Infrastructure as Code |** *Azure Resource Manager (ARM)* **OS |** *Linux & Windows* **Scripting |** *Bash* **Programming Languages** **|** *Python & C*

**CERTIFICATIONS**

Certified Kubernetes Administrator (CKA) **|** Microsoft Azure Administrator (AZ-104) **|** Microsoft Azure Fundamentals (AZ-900) **|** Microsoft Security, Compliance, and Identity Fundamentals (SC-900) **|** AWS Certified Cloud Practitioner (CLF-C01) **|** LPI – Linux Essentials (010-160)

**EDUCATION**

**George Brown College |** *PG in Wireless Networking & Cybersecurity* *Toronto, CA* | **Sep 2021 – April 2023**

Assisted Professor in managing Azure AD environment. The Azure AD environment included domain management, SSO, MFA, Conditional Access policies, deployed Defender for Cloud and Intune policies, and MS Sentinel playbooks were implemented to monitor the health of students' PCs and detect any security issues in real-time, ensuring proactive approach to managing potential threats.

**Course Work |** *Security Operations Centre, Digital Forensics, Risk Analysis, Network Security and Ethical Hacking.*

**Tools |** *Sumologic, Microsoft 365 Defender, Wireshark, Volatility, Nmap, Metasploit, FTK Imager and AXIOM Magnet.*

**EXPERIENCE**

**Ericsson** | *Associate Engineer* *Noida, IN* | **Sep 2018 – Aug 2021**

* Deployed and monitored cloud-based Video on Demand (VOD) servers in a 24x7 operations environment, and maintained a 98% streaming rate by improving performance, scalability, and reliability.
* Day-to-day tasks include VM hardening and rebuild, snapshot creation, managing compute, application health and services.
* Monitored and maintained the VOD server’s performance, using tools like Prometheus, and Kibana to troubleshoot faults and ensure efficient operation.
* Achieved the goal of 40% cost optimization and reduced hardware maintenance.
* Maintained Harmonic’s VOS 360, SaaS offering to enable asset acquisition, ingest data and end-to-end media processing.
* Utilized IT Service Management (ITSM) tools, BMC Remedy to document faults and changes.
* Successfully closed all the Fault Tickets and Change Requests (CRs) with 0% breach in Service Level Agreements (SLA).
* Experienced in System Administration, Installs, Migration, and Troubleshooting on Linux and Windows systems.
* Configured and maintained Azure services - DNS, Network Security Groups, Application Gateway, and Traffic Manager.
* Managed Azure storage solutions and implemented backup and disaster recovery using Azure Backup and Azure Site Recovery.
* Automated infrastructure deployment using ARM, leveraging PowerShell and CLI to streamline deployment tasks.
* Active member in daily and weekly governance calls with Business Stakeholders.
* Recognized for exceptional work and awarded ‘Employee of the Month’ for both October and November 2020.

**PROJECT**

**Automated CI/CD Pipeline for Django Web Application using Azure, Docker, Jenkins and Kubernetes.**

Implemented a real-time CI/CD pipeline on Jenkins with GitHub integration, utilizing Docker and Kubernetes for database, server, and orchestration needs. Established a packaging and release mechanism for end-to-end CI/CD projects using GitHub webhooks. Built a Kubernetes cluster from scratch on Azure using Minikube, and effectively managed Docker containers for Django and React applications into K8s Pods. Ensured smooth deployment, replication, auto-healing, and autoscaling for the Kubernetes cluster.

**SOFT SKILLS**

* Proven skill in effectively Collaborating with Business Stakeholders.
* Ability to manage multiple concurrent deadlines.
* Always looking to new learn technologies to expand my horizon.