**Manmeet Singh**  
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**Professional Summary:** Enthusiastic cloud and DevOps enthusiast with foundational knowledge in AWS, Terraform, and related technologies. Demonstrated ability to learn and implement cloud infrastructure and DevOps practices through personal projects. Seeking a suitable role as Cloud/DevOps Engineer to leverage my passion for technology and problem-solving skills in a professional setting.

**Skills:**

* **Cloud Platform:** AWS
* **Infrastructure as Code:** Terraform
* **Containerization:** Docker
* **Version Control:** Git, GitHub
* **CI/CD:** GitHub Actions, AWS CodePipeline
* **Scripting:** Bash, Shell
* **Operating Systems:** Linux (Ubuntu, Amazon Linux)
* **Networking:** TCP/IP, DNS, DHCP, VLAN, Load Balancing

**Transferable Skills:**

* **Technical Problem-Solving:** Developed strong troubleshooting skills through managing and resolving complex network and telephony issues in previous roles.
* **Project Management:** Experienced in planning, configuring, and deploying infrastructure projects, ensuring timely and efficient completion.
* **Collaboration and Communication:** Worked effectively in team environments and liaised with various stakeholders to ensure successful project outcomes.
* **Adaptability:** I quickly adapted to new technologies and environments, as evidenced by the successful deployment of both Cisco and Aruba network devices.
* **Customer Support:** Provided exceptional support to customers, ensuring high levels of satisfaction and operational excellence.

**Projects:**

* **AWS Three-tier Architecture:** Deployed a highly available web application using AWS services including
  + Route 53 for DNS
  + VPC for network isolation
  + Auto Scaling Group for scalability
  + RDS for database needs.
  + Detailed design documented on Medium.
* **AWS Resource Tracker Using Shell Scripting:**
  + Developed a Bash script to automate resource health checks using AWS CLI
  + Scheduled script execution with Cron Job
  + Detailed description on Medium.
* **CI/CD Pipeline for Tech Portfolio Website:** Implemented a CI/CD pipeline using
  + AWS CodePipeline for continuous integration and continuous delivery
  + GitHub as code repository
  + Automating deployment to S3 with CloudFront for fast and secure content delivery
  + DNS managed by Route 53
  + SSL certification via ACM.
  + Project live at [Tech Portfolio](https://www.singhincloud.net).
* **To-do Application:** Built a basic to-do application using
  + HTML, CSS and JavaScript for the frontend
  + Containerised the application via Docker
  + Built the image via Dockerfile using GitHub Actions workflow and finally deploying it on AWS
  + AWS infrastructure created using Terraform
  + Detailed description on [Medium.](https://medium.com/aws-in-plain-english/deploying-a-web-application-on-aws-ec2-with-github-actions-running-on-docker-container-part-1-58d5d14f3f05)

**Professional Experience:**

**System Administrator | VGW** (Oct 2023 – Current)

* Manage Fortinet suite of network equipment, including FortiGate Firewall, FortiAP, and FortiSwitch.
* Onboarding SaaS applications and integrating Single Sign-On (SSO) with Okta.
* Manage administration of Microsoft and Google Workspace.
* Managing AWS environment, including handling security alerts, spinning up new server instances, and providing support.
* Provided ongoing support for SaaS applications after onboarding, such as OpenVPN, NinjaOne, Proofpoint, and BambooHR.

**Network Administrator | Eagers Automotive** (Nov 2020 – Oct 2023)

* Deployed Cisco IP telephony infrastructure and configured Cisco and Aruba network devices.
* Managed IP telephony issues and network troubleshooting, enhancing technical problem-solving skills relevant to cloud networking.
* Supported IP telephony issues nationally and troubleshot network issues related to Cisco and Aruba deployments.

**Network Engineer | Datacom** (Feb 2020 – Aug 2020)

* Assisted in incident management and troubleshooting Cisco LAN issues, providing a strong foundation in network management.

**Voice Engineer | Automotive Holdings Group** (Sept 2019 – Nov 2019)

* Configured Call flows and IVRs on Cisco Collaboration platforms, demonstrated attention to detail and technical precision.

**Incident Management Senior Specialist | Orange Business Services** (May 2014 - Aug 2019)

* Implemented and supported Cisco Collaboration environment for services including Meeting and conferences, Unified Communications and Contact Center.
* Provided L2 support and ensured operational excellence.

**Education:** **Bachelor of Electronics and Communication**  
Amity University, India

**Certifications:**

* AWS Certified Solutions Architect – Associate.
* Hashicorp Certified Terraform Associate.
* ITIL.