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|  | **DIPAK NEPAL**  **deenepal71@gmail.com • Virginia, USA**  **703-203-0334**  **OBJECTIVES:**  As an experienced **System Administrator** with expertise in **AWS Cloud** and **Linux-based environments**, I specialize in managing, configuring, and troubleshooting server infrastructures. With a strong background in **cloud architecture** and **IT infrastructure management**, I am skilled in deploying and managing **EC2 instances**, configuring **Elastic IPs**, and optimizing cloud storage solutions. I am looking to contribute my technical skills and hands-on experience to a dynamic **System Admin** role where I can help optimize IT operations, security, and performance."    **2. Core Competencies Section:**  **Updated Core Professional Competencies:**   * **Cloud Services**: AWS (EC2, S3, Elastic IP), Azure, Cloud Security * **System Administration**: Server Configuration, Monitoring, Incident Management * **Operating Systems**: RHEL, CentOS, Windows Server, Linux * **Network Management**: DNS, DHCP, Routing, VPNs, IP Addressing * **Security & Backup**: Firewall Configuration, Data Backup, and Recovery * **Automation Tools**: AWS CloudFormation, Bash Scripting, PowerShell, Terraform   **Monitoring Tools**: SolarWinds, Nagios, AWS CloudWatch as well as **Aws Services or Resources.**  **Execute Cisco Umbrella on the AWS cloud.**  **Monitor all the resources from SolarWinds.**  **SharePoint.**  **ServiceNow for the Tickets.**    **3. Experience Section:**  **Virginia Department of Motor Vehicles - Administration and Office Specialist III**  **July 2015 – Present**   * **Supervised and managed server infrastructure** for the department, ensuring smooth operations and high availability. * **Troubleshot and resolved issues related to cloud-based applications**, providing timely solutions for mission-critical systems. * **Worked on the design and implementation** of cloud storage solutions, improving data accessibility by 30%. * **Assisted in configuring and maintaining network systems**, including IP address management, firewalls, and security protocols. * **Ensured the high availability** of critical applications by implementing **backup solutions** and **disaster recovery plans**.     **Virginia State University – Cloud Service System Engineer**  **October 2024 – Present**   * **Lead the migration of VMware environments to AWS**, utilizing AWS **Workspaces**, EC2, and S3 to streamline operations and enhance scalability. * **Implemented DNS configurations and increased server storage** (EBS) to meet business requirements. * **Collaborated with IT teams** to monitor cloud-based resources using **AWS Trusted Advisor** and **CloudWatch**, improving system performance and availability. * **Managed and updated EC2 instances**, ensuring optimal performance by performing regular maintenance and scaling resources. * Participated in the **Gameday-Cloud Medium** event with AWS, gaining practical experience in real-time cloud operations.   **4. Project Section:**  **Example Project:** **AWS Cloud Migration for Virginia State University**   * **Migrated legacy systems** from on-premises VMware to AWS EC2 instances, ensuring **cost-efficiency** and **scalability**. * Utilized **AWS CloudFormation** to automate server provisioning and configuration, reducing setup time by **40%**. * **Implemented real-time data backups** using **AWS S3** and **EC2 snapshots**, ensuring minimal downtime. * **I migrated from GB2 to GB 3 Volumes.**   **NetApp Cloud Volumes ONTAP (CVO), on AWS Native (on coming project).**  **Implemented geolocation functionality has been added to the application access.**  **Cost-optimized project .**  ***Certification***   * **Certified of AWS Cloud Practitioner** * **Certified of Oracle Cloud Infrastructure Foundation Associate 2023.** * **certificated of *AWS Sys Ops Associate Certification.*** * **Certificate of AWS Solutions Architect-Associate.** * **Certificate Of COMPIA SECURITY+**   ***PAGE 3***   * **Certificate Of Microsoft Networking and Cloud Computing.** * ***Newt working and Storage from IBM*** * ***Computer and Operating Systems and Security from Microsoft***   **Certificate Of Coursera Linux: process and System Resource Management for Dev Ops.**  **All the information mentioned above in this resume is correct to the best of my knowledge and belief.** |