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Description automatically generatedSohila Krishna Pogakula**

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**OBJECTIVE:** OBTAIN POSITION AS CLOUD AUTOMATION/ANSIBLE/TERRAFORM/CLOUD/DEVOPS ENGINEER.

**Summary:** Having 5+ years of hands-on experience in cloud automation and DevOps, with a proven track record of designing and implementing efficient and scalable infrastructure solutions. Skilled in cloud technologies, including AWS and Azure, with a deep understanding of infrastructure as code, automation, and CI/CD pipelines. Demonstrated expertise in configuration management, orchestration, and automation tools, including Azure DevOps, Terraform, Ansible, and PowerShell, enabling seamless integration and orchestration of cloud resources. Highly skilled in optimizing cloud environments for performance, scalability, and cost-efficiency, with a focus on security, compliance, and best practices. . A collaborative team player with strong communication skills and a passion for continuous learning and innovation in cloud technologies and automation practices.

**Skills**

**Cloud Technologies:** Azure, AWS

**Azure Services:** IAAS, PAAS and SAAS. Azure Integration services. Virtual Networks, Traffic Manager, VM's, Azure Storage, (Block Blob, Page Blobs), Azure VPN, Application & Operational Insights. Files, Azure Backup, Azure Data Box, Site Recovery, Cosmos DB, Active Directory, Azure Monitor, CDN, Service Bus Queues, Marketplace Email, Azure Migrate, Azure Pass services

Notification Hubs, Express Route Kafka

**CI/CD Tools:** Jenkins, GitLab, GIT, Azure DevOps, ArgoCD

**Configuration Management and Automation Tools:** Ansible, Terraform, AWS CloudFormation

**Scripting Languages:** Python**,** Shell, Bash, Json, YAML

**Databases:** MySQL, PostgreSQL, NoSQL (MongoDB, DynamoDB, Cassandra), Oracle

**Version Control Tools:** GitHub, Bit Bucket, SVN, Azure Repos, JFrog Artifactory

**Networking:** DNS, DHCP, TCP/IP, SMTP

**Containerization:** Virtualization/ Container Docker, OpenShift, Kubernetes

**Operating Systems:** RHEL, Linux(ubuntu, CentOS, Red Hat), Windows Server 2016,2019,2022

**Monitoring Tools:** Splunk, ELK, CloudWatch, Prometheus, Grafana, Datadog

**Virtualization Technologies:** VMware, Microsoft Hyper-V, VirtualBox

**HashiCorp Tools:** Consul, Vault, Packer

**Project tracking/ Bug Tracking/Collaboration tools:** Jira, Confluence, GitHub Issues, Service Now

**SDLC:** Agile, Scrum

| **Work History** |
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| **2023-01** **- Current** | **Cloud Automation Engineer**  **Bank of America, Irving, TX**   * Designed, recommended, and implemented automation systems both **on-premises** and in the **cloud**. * Employed a variety of automation tools and technologies, including **Terraform**, **ARM templates**, and **AWS CloudFormation**, to streamline infrastructure provisioning and management tasks. * Designed a comprehensive automation framework leveraging **Terraform** for Infrastructure as Code (**IaC**) pipelines. * Integrated configuration management tools like **Ansible** for drift detection and remediation, ensuring consistency across environments. * Implemented policy-driven automation using **Azure Policy** and **AWS Config** to enforce compliance and security standards. * Collaborated with cross-functional teams to define **cloud governance policies** and **resource tagging** strategies. * Orchestrated deployment workflows using **Azure DevOps**, **Jenkins**, or **GitLab CI/CD** for seamless application delivery. * Implemented blue-green deployment strategies to minimize **downtime** and enable **rollback** capabilities. * Reduced **deployment** failures by 50% through automated deployment processes. * Familiar with **virtualization** concepts and **hypervisor** technologies including **VMware**, **AHV** (Nutanix Acropolis Hypervisor), and **vMotion** for **virtual machine** management. * Integrated cloud-native **monitoring** tools such as **AWS CloudWatch**, **Azure Monitor**, and **Datadog** for real-time performance monitoring. * Implemented **Prometheus** and **Grafana** for infrastructure monitoring and optimization. * Decreased **mean time to resolution (MTTR)** by 45% through proactive **monitoring** and **alerting**. * Conducted infrastructure **optimization** assessments and **cost analysis** to identify opportunities for resource optimization. * Right-sized cloud resources and implemented cost-saving measures, resulting in a 20% reduction in cloud spend. * Contributed to the development of **cloud automation frameworks**, **reusable modules**, and best practices documentation. * Accelerated cloud adoption and standardization across the organization, reducing time-to-market for new initiatives. * Employed **Agile** methodologies, such as **Scrum** or **Kanban**, to facilitate iterative development and continuous improvement in automation projects. * Used **Jira** to track and manage all work through the development life cycle. |
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| **2016-11** **- 2023-09** | **DevOps Engineer**  **Bank Of America**   * Designed, implemented, and managed Azure DevOps environments, including **pipelines**, **repositories**, and **test plans**. * Configured **Azure Repos** for **version control**, establishing robust **branching** strategies and **code quality** standards, with proper **user ID creation** and **access management**. * Leveraged **Terraform** and **ARM templates** to define infrastructure as code, enabling automated provisioning and management of cloud resources, including **VM creation** and management. * Developed end-to-end **CI/CD** pipelines using **Azure Pipelines** to automate infrastructure deployment, testing, and validation, including installation and configuration tasks. * Implemented continuous integration workflows using **GitHub Actions** or **GitLab CI** for automated testing, build, and deployment processes and troubleshooting CI/CD pipelines using **Jenkins** and **GitLab**. * Administered and maintained **Linux-based systems** (Red Hat, CentOS) in a multi-site environment, ensuring high availability and optimal performance. * Pioneered in rolling out **IaC** organization-wide using Terraform and **custom Shell scripts** ensuring 65% efficient and 100% reusable and scalable systems. * Utilized **Docker**, **Docker Swarm**, and **Kubernetes** for containerization and orchestration, enabling efficient deployment and management of microservices. * Proficiently created Ansible playbooks utilizing the **Azure DevOps** Service and **Ansible Automation Platform** to facilitate **provisioning**, **configuration** **management**, and **patching** across a diverse range of Databases **(**including **Oracle, MySQL, Postgres, MariaDB, and Cassandra)**, **Linux** environments and managing secrets via **Ansible** **Vault** and **Azure** **Key** **Vault**. * Managed secrets securely using **HashiCorp Vault**, ensuring compliance with security policies. * Created **Ansible playbooks** from scratch to **YAML** with installation, setting up and Troubleshooting. * Created and implemented automated remediation of third-party services, such as **Aspera** & **Wowza**, using **Ansible**. * Implemented monitoring and alerting solutions (**Datadog, Grafana, Prometheus,** and the **ELK Stack**) to reduce downtime by 40% and managed Azure resources. * Implemented CI/CD automations for **image builds**, **semantic versioning**, **terraform linting**, and security checks using self-hosted **GitHub Action runners.** * Set up **Git repositories** and **SSH Keys** in GitHub for Agile teams. * Migrated Kubernetes resources to **ArgoCD** applications within **Codefresh** and maintained runtime components. * Set up repositories on **Azure Git**, merging code from develop branch to **master branch** for deployment. * Worked on **JIRA** for tracking and updating the JIRA tickets and per assigned and Maintained JIRA Administration/User documentation in **Confluence**. * Manage **JFrog Artifactory** to control and organize artifacts, ensuring efficient and reliable software release processes. * Knowledgeable with **Scaled Agile Framework (SAFe)** practices and tools. |
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| **Education** |
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| **2022-01** **- 2022-12** | **Master of Science: Information Technology Management**  California Baptist University – Riverside, CA. |
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| **2016-08** **- 2020-09** | **Bachelor of Engineering: Electronics and Communication Engineering**  Chaitanya Bharathi Institute of Technology – Hyderabad, India. |
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