Vigneshwar Reddy

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Dedicated Azure Cloud professional with over 3+ years of Azure expertise, skilled in cloud automation, data governance and containerization. Seeking a challenge role to leverage my technical skills and contribute to organizational success. Ability to stand out from the crowd through my work.

Professional Summary

- Over 3+ years of expertise in Microsoft Azure, with in-depth knowledge of PaaS and IaaS offerings such as Azure Virtual Machines (ARM Templates), Storage Accounts, App Services, Function App, Azure Data Factory, App Services, Databricks, Logic Apps, Log Analytics, Key Vault, Event Hubs, Stream Analytics, Application Insights, and Virtual Networks.
- Expertise in Azure DevOps, Including Git operations, branching strategies, CI/CD set up using YAML and classic editor, along with DevSecOps integration.
- Developed and managed CI/CD pipeline using Azure DevOps and Jenkins to streamline code deployment, achieving faster release cycles.
- Designed and implemented Kubernetes-based microservices architectures using Azure Kubernetes Service (AKS), enhancing scalability and operational efficiency.
- Architected and deployed Azure cloud solutions using Terraform and ARM Templates, enabling rapid and scalable resource provisioning.
- Created and managed Docker images in Azure Container Registry to facilitate seamless deployments
- across different environments.
- Implemented robust monitoring and logging solutions using Prometheus, Grafana, and Azure Monitor.
- Automated infrastructure and application configuration using Ansible, eliminating manual intervention for recurring tasks.
- Skilled in database management using Azure SQL Database, and SSMS, with expertise in Azure AD operations and RBAC principles.
- Proficient in scripting languages such as Bash, Python, and PowerShell for automation and system management tasks.
- Enhanced cloud security by implementing Azure AD, RBAC, and encryption solutions using Azure Key Vault.
- Hands-on experience with Azure Data Factory, including pipeline setup, self-hosted integration runtime (IR), and troubleshooting.
- Collaborated with QA and development teams to incorporate automated testing in CI/CD pipelines, improving software quality.
- Familiar with Azure Load Balancer, Application Gateway, Traffic Manager, Point and Site VPN.
- Proficient in Agile methodologies and tools like JIRA, Confluence, and ServiceNow, with expertise in supporting IT operations, cloud, and DevOps to streamline workflows and improve efficiency.
- Also involved in preparing test cases and technical design documentation.
- Demonstrated strong problem-solving skills and a proven ability to lead teams through complex technical challenges.

Professional Experience

Cloud Engineer | TCS | DECEMBER 2021 – PRESENT

PROJECT: Automation Enterprise Team | DECEMBER 2021 – PRESENT
I worked on designing and implementing robust CI/CD pipelines using Azure DevOps and Jenkins to streamline application delivery and reduce deployment time. I automated infrastructure provisioning with ARM templates and Terraform, ensuring consistent and scalable environments for both production and development. My work involved deploying and managing scalable Kubernetes clusters on AKS using Helm and Azure Pipelines while integrating proactive monitoring solutions such as Prometheus, Grafana, Azure Monitor, and Log Analytics to ensure system reliability and performance. Additionally, I developed a Proof of Concept (PoC) for an ETL pipeline by integrating Jenkins, DBT, and Snowflake, which optimized continuous delivery workflows and improved data transformation processes.

I also streamlined the deployment, configuration, and maintenance of diverse Azure resources, including Virtual Machines, Storage Accounts, Azure Data Factory, App Services, Databricks, Logic Apps, Event Hubs, and Stream Analytics, ensuring high availability and scalability. I collaborated with cross-functional teams to resolve technical issues and align solutions with business objectives, delivering secure implementations through Azure Key Vault and RBAC. My optimization strategies resulted in a 20% reduction in costs while maintaining performance and reliability. These efforts ensured seamless cloud operations and effective monitoring to meet business goals.

Skills

- **Infrastructure as Code:** Terraform, ARM templates
- **Database**: Azure SQL
- **Operating System:** Windows, Linux.
- **Technologies**: Cloud Computing (Azure), Azure PAAS, IAAS, AWS
- **DevOps Tools**: Azure DevOps, Jenkins, Kubernetes, Docker, GitHub, Bitbucket, Azure Repo, Ansible
- **Programming Languages:** Bash Scripting, Python, PowerShell

Education

JULY 2018-AUGUST 2021
Bachelor of Technology / SVCET, Andhra Pradesh, India

Certification

- Microsoft Azure Fundamental Certified: AZ 900.
- Microsoft Administrator Associate Certified: AZ 104.
- Designing and Implementing Microsoft DevOps Solutions.
- AWS Certified Cloud Practitioner.

DECLARATION: I hereby declare that all the information furnished above is true to the best of my belief.