Santhosh Reddy Pathakota

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Career Objective:

DevOps professional offering an experience of **3 years** of as **Azure DevOps Engineer** in the technologies like **Azure, GIT, Terraform, Docker, Kubernetes,** and **Azure DevOps** technical stack with specialization on **Azure DevOps** (**CI/CD pipelines**) under **Agile** methodology on Telecommunications and Healthcare domains.

Work Experience:

Junior Azure DevOps Trainer at V Cube Software Solutions, Hyd, TS .   Dec 2024 – Present.

- Delivered hands-on training on **Azure Fundamentals, Azure DevOps, Git, CI/CD pipelines, Docker, and Kubernetes** to students and researchers.
- Conducted **real-time lab sessions**, resolved technical doubts, and supported learners during practical assignments and project work.
- Designed and deployed **end-to-end demo applications**, including **3-tier architecture**, containerization using Docker, and **Kubernetes deployments on AKS**.
- Built and explained **Azure DevOps CI/CD pipelines**, including repo setup, branching strategies, service connections, artifact management, and automated deployment workflows.
- Demonstrated application deployment on Azure using **Virtual Machines, App Services, Azure SQL, Storage, Networking**, and monitoring tools.
- Provided continuous **technical mentoring**, project guidance, and development support to improve student understanding of real-world DevOps practices.
- Explained cloud architecture concepts such as **scalability, high availability, cost optimization, and infrastructure management**.
- Shared industry experience to help students understand real-time workflows including version control, environment management, and DevOps best practices.
- Worked closely with students on **career development**, communication improvement, resume building, and interview readiness for placement opportunities.
- Encouraged student engagement and provided continuous support to improve learning outcomes and job-readiness.
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Associate Azure Cloud Engineer at Tech Mahindra Ltd, Pune, MH.   March 2022 – Feb 2024.

- **Azure cloud:** Azure Infrastructure Development and Maintenance of Azure Resource, Design and Deployment of Azure IaaS and PaaS Solutions, Support for Business as usual.
- **Terraform:** Developed Azure automation scripts and Created resources.

Projects:

Azure Cloud.

Client   : **GSK Pharmaceuticals**
Role   : **Associate Azure cloud Engineer**

- Built Azure environments by deploying **Azure IaaS** Virtual machines (VMs) and Cloud services (**PaaS**).
- Involved in configuring Cloud platform with Virtual Networks Multi-site, Cross-site, **VMs**, **Azure AD**, **Load Balancers**, **Azure SQL,** and Cloud Services.

- Working with the Microsoft Azure Cloud Services and deploying the servers through Azure Portal.
- Created CI/CD Pipelines in **AZURE DevOps** environments by providing their dependencies and tasks.
- Created Virtual Networks in Azure for hybrid connectivity with On-premise networks (**Express Route**, **VPN Gateways**).
- Configured VMs in availability sets using Azure portal to provide resiliency for IaaS based solution and scale sets using **Azure Resource Manager** to manage network traffic.
- Configured and deployed Azure Automation Scripts utilizing **Azure stack** Services and focusing on Automation.
- Worked on Continuous Integration CI/Continuous Delivery (CD) pipeline for Azure Cloud Services.
- Configured **Azure Active Directory** and managed users and groups

Client : **GE**
<u>**Roles & Responsibilities:**</u>

- Collaborated with the development team for creating **Docker/Kubernetes** containers for each micro-service and installed all required dependencies for each container. Used **Terraform** to transform the infrastructure from on premise to cloud.
- Experience in Setting up the build and deployment automation for **Terraform** scripts using **Azure CI/CD**.
- Provisioned **load balancer**, **auto-scaling group** and launch configuration for micro services using • Implemented to manage all existing servers and automate the build/configuration of new servers.
- Worked on deployment automation of all the micro services to pull image from the private **Docker** registry and deploy to **Docker Swarm Cluster** using**.**
- Installed Registry for local upload and download of Docker images and even from **Docker** Hub.
- Experience with container-based deployments using **Docker**, working with **Docker images**, **Docker Hub** and
- **Docker-registries** and **Kubernetes**.
- Worked on multiple things like setting up **Kubernetes** dashboards
- Created a private cloud using **Kubernetes** that supports **DEV**, **TEST** and **PROD** environments.
- When required applied patches as per the release process. Maintained **JIRA** for tracking and updating project defects and tasks.

Technical Skills:

- **Cloud Platforms**: Microsoft Azure
- **Azure Services:** Azure Virtual Machines, Azure SQL Database, Azure Active Directory (Entra ID), Azure Logic App, Azure Blob Storage, Azure Networking, Azure Monitoring and Management, Azure Disaster Recovery, Azure App Service, Azure Storage Account, Azure Load Balancing, NSG, Azure Iaas, Pass, Sass services.
- **Operating Systems:** Windows & Linux.
- **Languages/Scripting:** Terraform, Azcli, PowerShell.
- **Monitoring Tools:** Azure Monitoring, Prometheus and Grafana.
- **DevOps Tools**: Azure DevOps, Docker, Kubernetes, Git.
- **Azure DevOps:** Azure Pipelines (Continuous Integration, Continuous Deployment, Automation) Azure Repos, Azure Artifacts, Azure Test Plans, Azure boards.
- **Version Control:** Git, GitHub, Azure Repository.
- **Containerization Tool:** Docker, Docker Hub.
- **Configuration Language:** Yaml.

Education:

B. Tech - EEE, KSRM College Of Engineering, YSRR, Andhra Pradesh - CGPA: 7.15.   (2018-2021)

Awards & certifications:

- **Microsoft Certified: Azure fundamentals (AZ-900)**