Rajkumar R
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ProfileSummary

As an experienced **Azure DevOps Engineer** with **5+ years of expertise** and specialized in automating and optimizing infrastructure,deployment strategies, and ensuring robust configuration management. I have a proven track record of leveraging Azure's suite of tools to drive operational excellence and support scalable, secure, and resilient systems. My ability to analyze complex environments and implement best-in-class DevOps practices has consistently resulted in improved productivity, cost reduction, and a robust platform for continuous improvement. I am passionate about embracing new challenges and am committed to fostering an environment of innovation and efficiency.

Employment History

Tata Consultancy Services	**System Engineer**	May 2019 – August 2022 Bangalore
EPAM systems	**System Engineer**	August 2022 - October 2022 Bangalore
Ernst & Young (EY)	**Senior Consultant**	November 2022 - Present Kochi

Work Experience

- **Designed, implemented, and maintained** Microsoft **Azure** infrastructure to support cloud-based applications
- Managed deployment and scaling of containerized applications using **Kubernetes**, **Docker** and **Helm**.
- Automated tasks and processes using **Terraform, Bash, Powershell and Python**.
- Collaborated with development and operations teams for seamless deployment and operation of cloud-based applications.
- Ensured high availability, performance, and security of Azure environment.
- Created and maintained CI/CD pipelines for efficient application deployment using **Azure DevOps & Github Actions**
- Monitored issues in Azure environment to troubleshoot and alert the teams using **Azure monitor** and other tools like **Prometheus** and Grafana
- Managed hybrid cloud environments (Azure and on-premises) using Azure and VMware vSphere.

- Optimized and secured network configurations of cloud resources for private connections and low-latency communication between services and on-prem resources.
- Conducted regular security audits and vulnerability assessments to secure and compliance of the applications.

Achievements

- ***Received on the spot award for utmost dedication and commitment.***
- ***Received on the spot award for successfully deployment and release***
- ***Received award for the contribution to the team***
- ***Received award for the automation of infrastructure and configuration of the azure virtual machines***
- Automated application/Vm's deployment with additional configurations to complete the release of the products.
- Worked on scriptings to get customized reports and other actions which majorly reduced time to find and also saved cost by optimizing the infrastructure.

Skills

CI/CD:
- Azure DevOps: Proficient in managing CI/CD pipelines, infrastructure provisioning, and deployment using Azure DevOps.
- GitHub Actions: Experience with GitHub Actions for automating workflows and CI/CD processes.

Containers and Orchestration
- **Docker**: Skilled in containerization using Docker for creating, deploying, and managing application containers.
- **Kubernetes**: Familiar with Kubernetes concepts (Pods, Replica Sets, Deployments, Services) for container orchestration.
- **Terraform**: Understanding of provisioning AKS (Azure Kubernetes Service) clusters using Terraform.

Scripting and Automation
- **PowerShell**: Proficient in scripting using PowerShell for automation tasks.
- Python: Skilled in Python scripting for various DevOps tasks.

Infrastructure as Code (IaC) & Confirmation Management
- **Terraform**: Experience with Terraform for declarative infrastructure provisioning.
- Ansible: Knowledgeable about Ansible for configuration management and automation.
- Worked in Pulumi to deploy azure resources.

Monitoring and Logging
- Prometheus and Grafana: Experience in monitoring and troubleshooting issues using Prometheus and Grafana.
- Automated stopping VM based on users idle time & selective machines using Automation Runbook, LogicAPP in Azure

Cloud Services
- Azure Cloud (IaaS): Demonstrated understanding of Azure Infrastructure as a Service (IaaS) components.
- AKS RBAC (Azure Kubernetes Service Role-Based Access Control): Experience with cluster roles and binding in AKS.

Other Skills
- Linux Basic Administration: Proficient in basic Linux administration tasks.
- Networking: Knowledge of networking principles and configurations.
- Good understanding of generative AI
- Experience in Langchain, AzureOpenAI and Streamlit to create LLM applications.
- Developed LLM application for DevSecOps using **Flask, AzureOpenAI, ChromaDB**

Technical Certification
- **Terraform Associate** Certification
- **AWS DevOps Certification** - DOP-C02
- **Microsoft certified Devops Engineer** - AZ400
- Passed Exam - Azure Architect Technology - AZ303
- **Microsoft Certified Azure Administrator Associate** Certification - AZ104
- Microsoft Azure Fundamentals Certification - AZ900
- Microsoft Azure AI Fundamental - AI900

Education Qualification

Course	Institution Secured	Secured	Year of Passing	
B.E(ECE)	Rajalakshmi Engineering college, Chennai.	77%	2019	Date:
HSLC	SRV Boys Hr. Sec.School, Rasipuram.	94%	2015	
SSLC	Sri Venkateswara Mat. Hr. Sec. School,Tiruvallur.	96%	2013	

07/10/2024   Yours Sincerely,

Place: Palakkad   (*Rajkumar R*)