Akash Nale

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Profile

Resourceful Cloud Engineer with 3 years of experience in Azure cloud infrastructure, including the creation and maintenance of Windows Server, Linux Server, Active Directory Services, Azure Defender, Backup, and Disaster Recovery solutions. Skilled in automated deployment and integration of Azure services across both cloud and on-premises environments. Possesses strong problem-solving and debugging skills.

Experience

LEAD CLOUD ENGINEER | SIMPLIFY HEALTHCARE | FEBRUARY 2022 – PRESENT

- Engaged in the strategic planning, design, and seamless migration of environments from IAAS to PAAS solutions, minimizing downtime during the transition.
- Demonstrated proficiency as a Microsoft Azure Administrator, specializing in the configuration of Virtual Machines, Logic Apps, Load Balancers, Virtual Networks, Data Factory, Kubernetes, and Azure Defender.
- Oversaw daily cloud environment operations, offering crucial support to development teams and proactively resolving infrastructure challenges and performance issues.
- Implemented Microsoft DevTest Labs to streamline virtual machine migration across subscriptions, enhancing resource allocation efficiency and cost-effectiveness.
- Implemented comprehensive Disaster Recovery solutions across all subscriptions, incorporating robust backup strategies to safeguard data integrity and ensure uninterrupted business operations.
- Streamlined deployment procedures through Azure DevOps automation, resulting in reduced deployment durations and enhanced uniformity across diverse environments.
- Monitored and fine-tuned cloud infrastructure performance using Azure Monitor and Log Analytics, guaranteeing optimal resource usage and high availability.
- Enforced stringent security measures, including identity management and network security configurations, to fortify cloud resources and data against potential threats.
- Conducted routine assessments and enhancements of cloud environments to adhere to industry standards and adapt to evolving business requirements.

ASSOCIATE CLOUD ENGINEER | DATAMORPHOSIS TECHNOLOGIES| SEP-2021 – FEB-22

- Worked as a Cloud Administrator, setting up virtual machines, storage accounts, and resource groups in Azure.
- Developed a basic monitoring system to track Azure resource health and send alerts in case of issues.
- Worked on calculating and providing estimated Azure infrastructure cost using Azure calculator

Education

BACHELOR OF ENGINEERING | MARCH 2021 | COLLEGE OF ENGINEERING & TECHNOLOGY, AKOLA

HIGHER SECONDARY SCHOOL | MARCH 2017 | R L T COLLEGE OF SCIENCE, AKOLA

SECONDARY SCHOOL CERTIFICATE | MARCH 2015 | JUBILEE ENGLISH HIGH SCHOOL, AKOLA

CERTIFICATIONS

- AZ-305: Microsoft Azure Solutions Architect.
- AZ-104: Microsoft Azure Administrator.
- AZ-900/DP-900: Microsoft Azure Fundamentals.
- Azure Bicep Fundamentals Certification.
- Security Compliance and Identity Fundamentals Certification.

ACCOMPLISHMENTS

- Successfully planned and executed backup restoration activity for multiple clients with minimal downtime.
- Introduced cost-saving strategies, resulting in annual savings ranging from 30% to 40%.
- Participated in a disaster recovery test involving coordination across multiple teams for over 20 client production environments, achieving an average downtime of 15 to 20 seconds.
- Implemented IAAC practices using Azure DevOps and Jenkins.

Technical Skills:

Cloud Platforms:

- Expertise in Azure PAAS solutions, including App Services, Azure SQL, and Azure Functions.
- Familiarity with other cloud platforms like AWS or GCP (if applicable).

Scripting and Automation:

- Proficiency in scripting languages such as PowerShell, Python, or Bash for automation and configuration.
- Experience with Infrastructure as Code (IaC) tools like Terraform or Azure Resource Manager (ARM) templates.

Security and Compliance:

- Advanced skills in security tools like Azure Sentinel and Azure Security Center.
- Implementation of compliance policies using Azure Policy or Microsoft Defender for Cloud.

Monitoring and Performance Optimization:

- Hands-on experience with Azure Monitor, Application Insights, and Log Analytics for detailed diagnostics.
- Skills in cost optimization and performance tuning for Azure workloads.

Disaster Recovery:

- Extensive knowledge of business continuity planning and disaster recovery strategies.

PROJECTS / IMPLEMENTATIONS

Resources Deployment Using Azure Bicep

- Developed an Azure Bicep template to establish a cluster of virtual machines and a virtual network, integrated Azure backup and disaster recovery, and implemented resource monitoring alerts for CPU, memory, and disk availability.

- Previously, executing this infrastructure deployment manually through the Azure portal necessitated 3-4 hours of uninterrupted effort. However, leveraging the Azure Bicep code enabled me to accomplish the task in merely 5-6 minutes with a single command.

Created Virtual Desktop Infrastructure (VDI) Setup for Company employees

In our organization, the original VPN served the purpose of connecting to the office network, specifically the Domain Controller, but its security compliance fell short. To address this, I implemented a Virtual Desktop Infrastructure (VDI) utilizing Azure services such as Azure Virtual Network, Virtual Network Peering, Virtual Machines, and Host Pool.

- This VDI setup enabled users to access their individual Virtual Machines seamlessly connected to all necessary networks. Furthermore, by leveraging the Azure Firewall service, we successfully restricted users from accessing potentially harmful or untrustworthy websites, significantly enhancing our infrastructure's security measures.

Monthly Server Patching Activity Setup

- Developed an automated server patching schedule to fulfill monthly compliance obligations, necessitated by the impracticality of manually patching over 150 servers within a single downtime window.

- Implemented a configuration utilizing an automation account, logic app, and Azure's update management feature, enabling the timely completion of patching across all servers in just 2 hours. Technicians are now only required to oversee the process and intervene in the rare event of a stall or failure.