Saikumar Polavaram

Software Engineer – Cloud and Infrastructure

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Portfolio https://saikumar-p26.github.io/Portfolio

I am a highly skilled Cloud & Infrastructure Operations Engineer with 3+ years of experience in managing hybrid environments across Azure, Windows Server, Ubuntu, and SharePoint. Proven track record in resolving user issues, deploying enterprise applications via IIS and Azure, and building CI/CD pipelines using Azure DevOps and Bicep. Expert in server setup (AD, SQL, Azure DevOps), patch management, and Veeam backup monitoring. Strong background in O365 and Azure administration, system security, and automation. Adept at supporting day-to-day IT operations while driving continuous improvement across infrastructure platforms.

PROFESSIONAL EXPERIENCE

Cloud and Infrastructure Engineer   **Sep 2022 – present**
Sithafal Technology Pvt Ltd   **Tirupati, India**

Kay Deliverables -

- Provisioned and configured servers including Windows Server, Ubuntu, Active Directory, SharePoint, SQL Server, and Azure DevOps Server in hybrid and on-prem environments.
- Implemented CI/CD pipelines using Azure DevOps for .NET, Python, and React applications; maintained source control using Git repositories.
- Experienced in writing and managing CI/CD pipelines for application deployment, integrating Docker for containerized deployments in staging and production environments.
- Developed and deployed **Python-based AI applications** on Azure virtual machines and App Services, configuring environments for model inference, API endpoints, and data processing.
- Deployed enterprise-grade **.NET and React applications** on IIS, including environment configuration, connection strings, load balancing, and rolling deployments.
- Configured **Web.config** and environment-specific settings for .NET apps hosted on IIS, ensuring secure integration with backend databases and identity providers.
- Developed and maintained Infrastructure as Code (IaC) using Bicep templates, automating the provisioning of Azure resources such as virtual networks, storage accounts, and virtual machines.
- Deployed and maintained applications on both IIS and Azure App Services, including DNS configurations and SSL certificates.
- Migrated SharePoint environment from SharePoint 2016 to SharePoint 2019, including farm configuration, service application setup, and database upgrades.
- Monitored and managed Veeam Backup and Replication, including job scheduling, backup validation, and disaster recovery simulations.
- Executed monthly patch management and system updates across 50+ servers to ensure security compliance and operational continuity.
- Created Group Policies (GPOs) and managed user accounts, groups, and permissions in Active Directory.
- Administered Office 365 tenant, including Exchange and SharePoint Online, Teams, OneDrive, and license management.
- Configured and managed routers and firewalls (e.g., Sophos, Fortinet), including access control rules, VPN setup, and port forwarding.
- Automated user onboarding/offboarding using PowerShell scripts, covering email creation, group membership assignment, and access provisioning.
- Provided Level 2 and Level 3 technical support, resolving escalated incidents related to infrastructure, access, and application issues.
- Participated in IT documentation efforts, creating standard operating procedures (SOPs) and system architecture diagrams for internal use.
- Configured and maintained **application monitoring and logging** using tools like Azure Monitor and Application Insights to track performance, error rates, and deployment health across environments.

- Created and maintained **environment-specific variable groups and secrets** in Azure DevOps to securely manage deployment credentials, API keys, and configuration values.

Core Competencies

- Hybrid Cloud Infrastructure (Azure, On-Prem)
- CI/CD Automation – Azure DevOps, Git, YAML
- Application Deployment – IIS, Azure App Services
- Infrastructure as Code (Bicep, ARM Templates)
- SharePoint Server Management & Migration
- Active Directory, DNS, DHCP, ADFS, Group Policy
- Windows & Ubuntu Server Administration
- Veeam Backup & Disaster Recovery
- Router & Firewall Configuration (e.g., Fortinet, Sophos)
- Microsoft 365 & Exchange Online Admin
- PowerShell Scripting & Automation
- Patch Management & OS Upgrades
- End-User Support (L2/L3), Ticketing Systems

Tools and Technologies

- **Cloud**: Azure Portal, Azure DevOps, Office 365
- **Infrastructure**: AD, DNS, DHCP, ADFS, GPO
- **Servers**: Windows Server (2012R2–2019), Ubuntu
- **Scripting**: PowerShell, Bicep
- **Deployment**: IIS, Azure App Services, Docker
- **Backup/DR**: Veeam Backup & Replication
- **Network & Security**: Router, Firewall (Sophos, Fortinet), VPN, NAT
- **Monitoring**: Azure Monitor, Event Viewer, Resource Health
- **Productivity**: SharePoint Admin, O365 Admin, Teams, Exchange Online
- **Domain & Certificate Management**: GoDaddy, DigiCert, Domain.com

Certifications

- **Azure Administrator Associate (AZ-104) - Microsoft**
- **Azure Network Engineer Associate (AZ-700) - Microsoft**
- **Microsoft 365 Administrator (MS-102) - Microsoft**
- **Microsoft Security Operations Analyst**
- **Docker Essentials: A Developer Introduction – Cognitive Class**

EDUCATION

Gokula Krishna College of Engineering   **2016-2020**
Bachelor of Technology | ECE   **Sullurupeta, India**
CGPA – 7.96/10