Saravanakumar V

Cloud Infrastructure Engineer

👤 11+ Years Experience
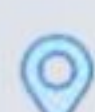
📱 +91 9500649008   ✉️ saravanavenkatachalam@gmail.com
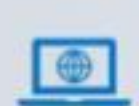
🎂 June 04 1989   📍 Sathyamangalam,Erode - 638402   ⚧ Male

🖥️ https://saravanavenkatachalam.github.io/

Azure Cloud Infrastructure Engineer

Azure-Certified IT Professional with 11.5 years of experience in infrastructure and cloud technologies, specializing as an Azure Architect with practical understanding in DevOps and CI/CD implementation. Skilled in architecting, implementing, and optimizing Microsoft Azure solutions. Proven ability to enhance workload performance, reduce operational costs, and ensure security and compliance.

💼 Professional Experience

📅 **August 2022 – Present**
Working as a **Infrastructure Specialist-Azure Cloud** in kyndryl solutions formerly known IBM private limited, Bangalore.

📅 **August 2021 – August 2022**
Working as a **IIS Administrator & Application support** with IBM in the payroll of CBSI Global India Pvt Ltd, Bangalore.

📅 **March 2021 – August 2021**
Worked as **Windows Engineer and PCI Compliance Officer** in Pranav Softsol, Coimbatore.

📅 **Jan 2014 – Feb 2021**
Worked as **System/Server Administrator** in The Acetech Machinery Components India Pvt Ltd, Coimbatore.

📅 **Mar 2013- Dec 2013**
Worked as a **Application developer** (ASP.NET) in Newx IT Solutions Coimbatore.

🏅 Standards

- ISO 9001-2015 (Certified Internal auditor)
- CIS Benchmarks & Compliance Standards
- Payment Card Industry Data Security Standard (PCI DSS)

☁️ Cloud Certificates

- Microsoft Certified: **Azure Fundamentals AZ-900** (Certificate No: I505-9006)
- Microsoft Certified: **Azure Administrator Associate AZ-104**(Certificate No: I521-9737)
- Microsoft Certified: **DevOps Engineer Expert AZ-400**(Certificate No: 8FE5Y4-F559C7)
- Microsoft Certified: **Azure Solutions Architect Expert AZ-305**(Certificate No: 363CZ0-AA75D6)

🖥️ Tools Worked

- **Splunk** Enterprise Certified Admin
- **Nessus**: Proficient in malware and vulnerability assessment using Nessus.
- **Dynatrace**: Skilled in Dynatrace monitoring solutions
- **ServiceNow:** Proficient in ServiceNow IT service management
- **ScienceLogic:** Experienced in ScienceLogic monitoring and automation.
- **Office 365 Administration:** Skilled in Office 365 management and administration

🎓 Education

Masters of Computer Application
Dr.N.G.P. Institute of Technology
Anna University
Coimbatore, Tamilnadu

Graduated, **July 2012**
Marks **83%**

Bachelor of Computer Science
Dr.SNS Rajalakshmi College of arts & Science
Bharathiyar University
Coimbatore, Tamilnadu

Graduated, **April 2009**
Marks **64%**

10+2
KVK Govt. Higher Secondary School
State Board
Puliampatti, Erode,Tamilnadu

Graduated, July 2006
Marks 10th **86%**
Marks 12th **65%**

💡 Technical Skills From Above Experience

Cloud & Infrastructure Operations

- **Cloud Architecture:** Designed, deployed, and managed scalable Azure architectures with high availability and disaster recovery, including Landing Zone implementation, Azure Policy enforcement, and administration of resources such as Virtual Machines, AKS, Azure SQL Databases, and other core services.
- **Networking :** Configured and managed Azure Virtual Networks, VPN Gateways, Private Endpoints connections to ensure secure and reliable connectivity. Implemented Network Security Groups (NSGs) to enforce granular access control and strengthen network security across cloud resources.
- **Azure Private DNS Zones:** Configured and managed **Azure Private DNS Zones** to enable secure and reliable name resolution across virtual networks without exposing DNS records to the public internet.
- **AKS (Azure Kubernetes Service)**
  - ✓ Deployed containerized workloads to AKS using YAML manifests

(Deployments, Services, Ingress).

    ✓ Integrated AKS with ACR, configured RBAC, and enabled monitoring via Log Analytics and dashboards.

- **Azure Cost Management:** Optimized cloud expenditures using Azure Cost Management and Advisor insights to prepare monthly cost reduction plans. Recommended resource tier adjustments based on workload requirements, ensuring cost efficiency without impacting application performance. Proactively identified and eliminated underutilized resources to reduce costs effectively.

- **Backup and ASR-(Site Recovery)**: Iimplemented and managed Azure Backup solutions, ensuring data protection through automated backups of Virtual Machines, databases, and file shares. Configured Azure recovery service vaults and backup policies to meet business continuity and disaster recovery requirements

  Deployed and maintained **Azure Site Recovery (ASR)** to enable seamless disaster recovery for virtual machines, supporting replication, failover, and failback between Azure regions and on-premises environments

- **Storage Account :** Set up and optimized Azure Storage (Blob, File, Table, Queue) with Shared Access Signatures (SAS) and Access Key for secured access.

- **Monitoring, Logging & Visualization**: Implemented robust monitoring through Azure Dashboard to ensure infrastructure reliability, performance optimization, and a proactive approach.

  🔍 **Azure Monitoring & Logging**

      ✓ Configured **Azure Monitor** and **Log Analytics Workspace** for real-time, centralized telemetry log collection and proactive issue resolution.

      ✓ Developed advanced **KQL queries** to analyze logs, detect anomalies, and support root cause investigations.

  📊 **Azure Dashboards & Workbooks**

      ✓ Designed and maintained Azure Dashboards to visualize infrastructure performance, resource health, and service metrics.

      ✓ Created customized Azure Workbooks using telemetry from Azure Monitor, Application

- **Security & Compliance**

      ✓ Enforced compliance using Azure Policy, applying built-in and custom policies to enforce governance.

      ✓ Implemented vulnerability remediation and hardening using CIS Benchmarks, Azure Defender, and Nessus scans.

      ✓ Managed endpoint protection across hybrid environments using tools like CrowdStrike, Cortex XDR, Trend Micro, and Sophos.

      ✓ Conducted monthly CVE-based patching and maintained audit readiness.

- **Troubleshooting and Support:** Provided support for Azure-related issues, collaborating with Microsoft support and other subsystem teams whenever needed. Resolved incidents promptly minimize downtime.
- **Documentation and SOP**: Maintained comprehensive documentation for configurations, processes, and troubleshooting steps, along with Standard Operating Procedures (SOPs), ensuring knowledge transfer within the team to streamline operations.
- **DevOps & Automation** Delivered robust automation and DevOps solutions to optimize infrastructure deployment, security remediation, and operational workflows across Azure environments.

  PowerShell Automation
  - ✓ Developed scripts to extract detailed reports from the Azure portal for performance and compliance tracking.
  - ✓ Automated security health scans and applied vulnerability fixes based on Nessus scan results.
  - ✓ Configured Logic Apps to deliver daily backup reports by integrating with Log Analytics Workspace, supporting proactive monitoring.

  Infrastructure as Code (IaC)
  - ✓ Created and maintained Terraform playbooks for scalable infrastructure provisioning, including SHC apply configurations.
  - ✓ Authored ARM templates and PowerShell-based IaC scripts to ensure consistent and repeatable deployments across environments.

  CI/CD Pipeline & Version Control
  - ✓ Automated CI/CD pipelines using GitHub Actions and Azure DevOps to streamline application deployment and updates.
  - ✓ Designed Git workflows for monthly security patching and structured release cycles.
  - ✓ Worked with Git version control to manage code repositories, track changes, and support collaborative development.

- **Operating System & Server Support**
  - ✓ Hands-on experience with Windows Server (2008–2022) and Linux distributions.
  - ✓ Configured AD DS, DNS, DHCP, Group Policies, and VPN access.
  - ✓ Performed server migrations, IIS application deployments, and SSL certificate management.

- **Middleware IIS – Application Deployment & Support**
  - ✓ Installed and configured IIS (v6.0 to v10.0), deployed web applications, performed backup/restores, and managed SSL certificates in IIS and Centralized Certificate Store.
  - ✓ Provided end-to-end application support, including performance monitoring, URL rewriting, and other technical troubleshooting.

Project Details

Project Title : PCI DSS Compliance-Payment Card Industry Data Security Standard **(PCI DSS)**

Project Scope : Ensuring and maintaining PCI compliance is an ongoing effort that organizations undertake to meet the security standards outlined by PCI DSS. The goal is to establish and sustain a secure IT environment for safeguarding Payment Cardholder Data.

Project Description: PCI DSS compliance requires meeting all of the requirements published by the PCI Security Standards Council. This includes providing evidence of compliance through the implementation and documentation of information security controls, such as point of sale hardware and software, anti-virus software, vulnerability scanning, password policies, and team member training. PCI DSS compliance is mandatory for organizations that store, process, or transmit cardholder data.
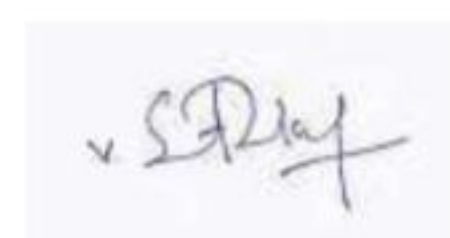
Recognitions

- Global Cloud Practice Superstar Awarded on July 1, 2024 (Kyndryl)
- Third Prize for Implementing '**OnlinePQVC**' Application during the RIW Project -2014 .
- "**Quality of work award**" from The Acetech Machinery Components India Pvt Ltd-2016.
- Certified Internal auditor**(ISO 9001:2015)** at The Acetech Machinery Components India Pvt Ltd.
- Best **Event Management** -Founders Day,Business Plan,Women's Day-The Acetech MachineryComponents India Pvt-2019.

Personal Details

🔤 Languages	: Tamil, English	🇮🇳 Nationality	: Indian
📘 Passport	: P8180007	Aadhaar No	: 9430 5025 5454
💍 Marital status	: Married	Interest	: 🛕 🕺 ♟️
🌐 Pan Card	: GJCPS0590G		

Declaration

I, Saravanakumar, hereby declare that the information provided herein is true and accurate to the best of my knowledge and belief.

Saravanakumar V