

BALAMURUGAN MARUTHAVANAN

AZURE CLOUD & DEVOPS SPECIALIST

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PROFESSIONAL EXPERIENCE

Azure Cloud Infrastructure & DevOps Engineer | 13 Years of Experience

Experienced and certified Azure DevOps Engineer with deep expertise in Azure infrastructure management, Kubernetes workload orchestration, and CI/CD pipeline automation. Strong passion for DevOps culture, site reliability engineering, and cloud-native architecture. Skilled in building scalable, secure, and resilient solutions using Microsoft Azure technologies.

- Azure Cloud & Network Architecture: Designed and implemented multiple hub-and-spoke network topologies in Azure, with Vnet peering, Azure Firewall, DDoS Protection, NSGs, and route tables. Enabled multi-cloud connectivity using Azure VPN Gateway and site-to-site networking. Managed cross-region deployment scenarios with Azure Virtual WAN and ExpressRoute.
- Kubernetes (AKS) Workload Management: Deployed and managed multiple private Azure Kubernetes Service (AKS) clusters for production workloads. Designed disaster recovery (DR) strategies using Azure Traffic Manager, Application Gateway, and geo-redundancy. Optimized AKS networking with Azure CNI, custom DNS, and network policies.
- DevOps Engineering & Automation: Created robust Azure DevOps pipelines (YAML-based) for microservices applications hosted on AKS. Integrated Terraform, Bicep, and Helm for infrastructure as code (IaC) and deployment automation.
- Cloud Security & Compliance: Implemented centralized security controls using Azure Policy, Azure Defender, Microsoft Sentinel, RBAC, and Key Vault for secrets management. Developed IAM policies, role assignments, and governance frameworks for secure Azure usage.
- Monitoring & Backup: Configured Azure Monitor, Log Analytics, and KQL-based alerts for proactive monitoring. Integrated Azure Backup and Azure Site Recovery (ASR) for business continuity and high availability.

CORE SKILLS

Azure Infrastructure | Azure Kubernetes Services (AKS) | Azure DevOps | Terraform | Helm | Bicep | Azure Policy | Azure Sentinel | Azure Monitor | Azure Backup | Azure Site Recovery | Azure Key Vault | Application Gateway | Azure Firewall & WAF | Azure Load Balancer | Azure VPN Gateway | Network Security Groups (NSG) | Route Tables | Private AKS | IaaS, PaaS, SaaS | ARM Templates | PowerShell | YAML Pipelines | KQL Queries | Log Analytics | Azure Security | IAM & PIM | Microsoft Entra | Microsoft Defender for Cloud | AVD | Dynatrace | Azure Update Manager | JSON | Tags | DCR (Data Collection Rules) | Cost Optimization | Microsoft 365 & Exchange | Microsoft Windows Server OS | AWS

QUALIFICATIONS

- ❖ Bachelor of Computer Applications (BCA)- University of Madras, Chennai, Tamil Nadu, India
- ❖ Diploma in Computer Technology (DCT)-AVC Polytechnic College, Mayiladuthurai, Tamil Nadu, India

PROFESSIONAL CERTIFICATIONS: -

- ❖ Microsoft Certified: Azure Administrator Associate (AZ-104)
- ❖ Microsoft Certified: Azure DevOps Engineer Expert (AZ-400)
- ❖ Microsoft Certified: Azure Fundamentals (AZ-900)
- ❖ Oracle Cloud Infrastructure 2025 Certified Multicloud Architect Professional(1Z0-1151-25)
- ❖ Oracle Cloud Infrastructure 2025 Certified Architect Associate (1Z0-1072-25)
- ❖ AWS Certified Solutions Architect – Associate (SAA-C03)
- ❖ Underwent an extensive one-year training in DevOps – Tech Mahindra employee learning program

EXPERIENCE

Location: - Abu Dhabi, UAE

Azure Cloud & Systems Engineer | Sundus Recruitment Services

Aug 2023 - Present

Client: - SolutionsPlus- A Mubadala Company

Senior Systems Engineer | LTI Infotech

Jan 2022 - Jul 2023

Client: - SolutionsPlus- A Mubadala Company

Senior Systems Engineer | Tech Mahindra Ltd

Sep 2017 - Dec 2021

Client: - SolutionsPlus- A Mubadala Company

IT Support Specialist | Alan Technology LLC

Mar 2016 - Aug 2017

Location: - Chennai, India

IT Operation Specialist | Fourth Dimension Pvt. Ltd

Aug 2014 - Jan 2016

Client: Absolute Performance Inc, United States

IT Support Engineer | Laptop Kollexions Pvt.

Mar 2012 - Aug 2014

Client: SSMG Software Solution Pvt Ltd

PROFESSIONAL EXPERIENCE PROFILE

SolutionsPlus (Mubadala Company), Abu Dhabi

Company Profile: -

As part of the Mubadala Group, SolutionsPlus has been delivering tailored IT services since 2014, supporting the technological needs of our clients within the group and beyond. Our IT department specializes in optimizing and managing IT infrastructure, ensuring seamless operations, enhanced security, and innovative technology solutions that drive efficiency and growth across all business units.

My Role: -

- ❖ Architect & Design: Develop scalable, resilient, and cost-effective cloud solutions that align with business needs.
- ❖ Environment Setup: Configure and maintain cloud environments for development, testing, and production.
- ❖ Resource Management: Monitor and optimize cloud resources using Azure Monitor, Log Analytics, and Application Insights.
- ❖ Cost Management: Track cloud spending, identify savings, and implement cost-effective strategies with Azure Cost Management.
- ❖ Disaster Recovery: Design and deploy backup and disaster recovery solutions using Azure Backup and Site Recovery.
- ❖ Security: Implement robust security measures (IAM, encryption, network security) with Azure Security Center, Sentinel, and Key Vault.
- ❖ Performance Monitoring: Set up and manage monitoring tools (Azure Monitor, Service Health) to ensure optimal resource performance.
- ❖ Support & Troubleshooting: Provide support for cloud applications, troubleshoot issues, and perform root cause analysis.
- ❖ Incident Response: Develop and execute incident response plans for Azure security incidents.
- ❖ Collaboration: Partner with development, operations, and business teams to deliver tailored cloud solutions.
- ❖ Training & Documentation: Educate teams on cloud best practices and create user documentation.
- ❖ Continuous Learning: Stay updated on emerging cloud technologies and industry trends.

Projects: -

- ❖ Designed and implemented a hub-and-spoke network architecture with centralized Azure firewall management, including NSGs, route tables, and VPN gateways.
- ❖ Configured Microsoft Sentinel with AMA DCR rules and Azure Policy to automate log forwarding and enable comprehensive logging.
- ❖ Deployed a private AKS cluster for .NET microservices, integrated with Application Gateway and WAF for robust security.
- ❖ Migrated 20+ on-premises servers to Azure, leveraging Azure Migrate for 5 servers and redesigning the remaining infrastructure. Additionally, deployed Azure Update Manager to automate patching for Azure and Azure Arc servers using Azure Maintenance configurations.
- ❖ Transitioned 250+ Citrix VDI users to Azure AVD, with monitoring enabled through Azure Monitor.
- ❖ Implemented a VPN Gateway (virtual network gateway) with five Site-to-Site IPsec tunnels, ensuring secure and reliable connectivity across multiple locations.
- ❖ Migrated 300+ VMs from MMA to AMA using Azure Policy for streamlined monitoring and management.

Alan Technology LLC

Company Profile: -

ALAN Technology LLC provides innovative and customized IT solutions, network consultancy, and cloud consulting with over 30 years of experience.

My Role: -

- ❖ Led and executed multiple projects, including Azure cloud migration, backup and storage optimization, and implementing advanced security solutions.
- ❖ Architected and optimized cloud operations by providing strategic consulting services across modern technologies, including Azure, Microsoft 365, and cloud security.
- ❖ Collaborated closely with pre-sales teams to deliver comprehensive presentations on Azure cloud solutions, web security, and emerging threat detection technologies to prospective clients.
- ❖ Partnered with stakeholders during change control activities to ensure seamless Azure cloud migrations and implementations, including performing and overseeing critical change management tasks.
- ❖ Conducted remote and on-site product/solution proof-of-concepts, initial configurations, and provided comprehensive training on Azure and Microsoft 365 solutions to clients and end-users.

Projects: -

- ❖ Migrated over 10 small-scale businesses to Microsoft 365 solutions for email services and integrated cloud storage, enhancing their operational efficiency and data accessibility.
- ❖ Collaborated closely with the Microsoft team to facilitate the cloud adoption journey for multiple small-scale businesses, focusing on their Infrastructure as a Service (IaaS) need within the Azure ecosystem.
- ❖ Implemented robust backup solutions for various clients using Symantec and Veeam technologies, ensuring data protection and recovery in the Azure cloud environment.
- ❖ Successfully deployed and completed a bus monitoring and management solution for Sharjah Indian School, leveraging cloud-based technologies to enhance operational oversight and safety.

ACTIVITIES - Engage in continuous learning through podcasts focused on finance, stock markets, business trends, and startup success stories to stay informed and inspired by industry developments.