

Salainayagan Arunmozhi Thiruvalluvar

nayagan.arunmozhi@gmail.com

+528112417791

Technical Lead

Monterrey, Nuevo Leon, Mexico

Experienced IT professional with 11+ years in Mainframe Development (COBOL, JCL, DB2) and Azure Cloud technologies. Adept at automation, process improvements, and CI/CD implementation. Proven leadership in managing cross-functional teams, troubleshooting critical issues, and driving cost-optimized cloud solutions. Certified in Azure AZ-900 and SAFe Agile, with a deep understanding of the US healthcare domain.

Core Skills

- **Mainframe Development:** COBOL, JCL, DB2, VSAM, IMS-DB, CICS, REXX, Changeman, Endeavor
- **Cloud Computing:** Azure (Virtual Machines, Storage Accounts, Active Directory, DNS, Load Balancer, Autoscaling), Azure CLI, Azure DevOps (CI/CD), Azure Data Factory, Azure Data Lake, Docker
- **Automation:** Linux, Windows, VBScript, PowerShell, Azure CLI
- **Database Management:** DB2, Oracle, IMS-DB, DLI/BMP
- **Operating Systems:** zOS, Linux, Unix, Windows
- **Network Services:** TCP/IP, DNS, LDAP, NAT, NSG, Load Balancer
- **Scripting Languages:** PowerShell, COBOL, Shell Scripts, VB Scripts, JCL
- **Tools:** IBM File Manager, Control-M Scheduler, ESP Scheduler, Citrix, Jira, Veracode
- **Web Technologies:** HTML, JavaScript, FTP, SMTP, Wildfly, Apache
- **Agile Methodologies:** SAFe Agile, project planning, status reporting, LOE estimation
- **Team Management:** Onsite-offshore team handling, mentoring, task coordination

Work Experience

Technical Lead: Azure Cloud

Jul 2020 - Present

Accenture, Mexico, Client - AT&T | Mexico

- **Managed Azure Cloud Infrastructure:** Successfully monitored, troubleshooted, and optimized performance across various Azure services, including Virtual Machines (VMs), App Services, PostgreSQL databases, and storage accounts, ensuring 99.9% uptime for critical applications through effective resource management and monitoring.
- **Implemented Azure DevOps Pipelines:** Led the setup of CI/CD pipelines using Azure DevOps, integrating Docker containers and YAML configurations for seamless deployment of microservices. Streamlined releases for multiple projects, resulting in a 20% reduction in deployment time.
- **Resolved Critical Incidents:** Provided 24/7 technical support, resolving high-priority cloud infrastructure incidents involving Azure App Services and PostgreSQL within SLA timelines, improving incident response efficiency by 30% through proactive monitoring and diagnostics.
- **System Administration:** Administered Windows/Linux-based operating systems by handling OS upgrades, security patching, and day-to-day operations. Monitored and maintained the health and performance of servers, ensuring high availability and secure operations in a large-scale, production environment.
- **Cost Optimization Initiatives:** Conducted thorough cost analysis and implemented Azure Cost Management strategies, focusing on optimizing costs associated with App Services and PostgreSQL usage. Achieved a 15% reduction in overall cloud expenditure while maintaining performance standards.
- **Automated Cloud Operations:** Developed and deployed automation scripts using Azure PowerShell, CLI, and Terraform to automate the provisioning of Azure resources, including Docker containers and PostgreSQL databases. Utilized Cloud Init scripts for initial server configuration, reducing manual tasks by 40% and improving operational efficiency.
- **Configured Networking Solutions:** Designed and maintained virtual networks, VPN gateways, and network security groups (NSGs), optimizing connectivity between on-premises environments and Azure services, including App Services and PostgreSQL, to ensure secure and efficient data flow.
- **Deployed Logging and Monitoring Solutions:** Configured Azure Monitor, Application Insights, and Log Analytics to monitor performance and security metrics for Azure App Services and PostgreSQL, reducing troubleshooting time by 25% through proactive alerts and diagnostics.

- **Security and OS Hardening:** Implemented IT security best practices and OS hardening techniques, including firewall management, security patching, and access control, ensuring that Linux servers in cloud environments were protected against vulnerabilities. Integrated Azure Security Center recommendations for secure configurations and audits
- **Troubleshooting and Incident Resolution:** Investigated and resolved critical incidents related to Linux OS, network services, and cloud infrastructure. Collaborated with development and network teams to identify root causes, reduce downtime, and improve incident response efficiency by 30%
- **Achieved Performance and Scalability Enhancements:** Applied Azure Advisor recommendations to optimize cloud performance, scalability, and cost-efficiency for key workloads, particularly for applications running on App Services and PostgreSQL. Leveraged Terraform to manage infrastructure changes, leading to a 10% improvement in application response times.

Senior Software Engineer: Mainframe

Jul 2016 - Jul 2020

Accenture, Mexico, Client - Anthem | Mexico

- Built new environments and regions for core and non-core applications, conducting shakedown testing and maintaining a 100% success rate in job execution.
- Implemented batch job setups for DLI/BMP and provided ongoing support, achieving 100% successful execution across environments.
- Led data copy, refresh, and cleanup activities for DB2 and IMS DB, ensuring data integrity for critical applications.
- Automated tasks using REXX tools, reducing manual effort by 25% and saving 10 hours per week for the team.
- Conducted thorough code reviews and provided feedback to global teams, improving code quality and reducing defects.

Application Developer: Mainframe

Oct 2013 - Jul 2016

UST Global, India, Client - Anthem

- Translated complex business requirements into functional design specifications, improving project outcomes and reducing development time by 15%.
- Developed and maintained COBOL-DB2 and COBOL-IMS batch programs, ensuring seamless integration with business applications.
- Implemented unit testing and debugged code, achieving zero-defect delivery on multiple projects.
- Collaborated with business users for User Acceptance Testing (UAT), resulting in 100% sign-off on deliverables.
- Built innovative REXX tools to automate routine tasks, saving approximately 10 hours weekly for the team.

Education

S.R.M University

Jun 2010 - Jun 2013

Master of Computer Applications Computer Applications GPA 8.4

Loyola College

May 2007 - May 2010

Bachelor of Science Mathematics GPA 6.3

Certifications

AZ-900 Certification – Microsoft

SAFe Agile Practitioner – SAFe

Languages

English (*fluent*), **Tamil** (*fluent*)