

SATISH MAILA

**SR. ARCHITECT CLOUD SECURITY &
INFRASTRUCTURE**

PROFILE

Technology enthusiast with 15+ years of experience working with major industries and initiatives leveraging Microsoft technologies Azure/O365/.Net/SharePoint.

CONTACT

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EDUCATION

SCIENT INSTITUTE OF TECHNOLOGY, JNTU - INDIA
Jun-2001 – May-2005
Bachelor of Technology, Electronics & Communications Engineering.

EXPERIENCE SUMMARY

LED DATA CENTER MIGRATIONS TO AZURE

- Lift & Shift Migrations with ASR
- Greenfield – Azure DevOps/IaC

LED INITIATIVES CREATING BLUEPRINTS FOR

- Azure Foundation & Governance (Landing Zones/CAF)
- Azure Security & Compliance
- Azure Cost Optimization

IMPLEMENTED COMPLIANCE BENCHMARKS

- NIST 800-53 r4, CIS, HIPAA-HITRUST v9.2, PCI-DSS

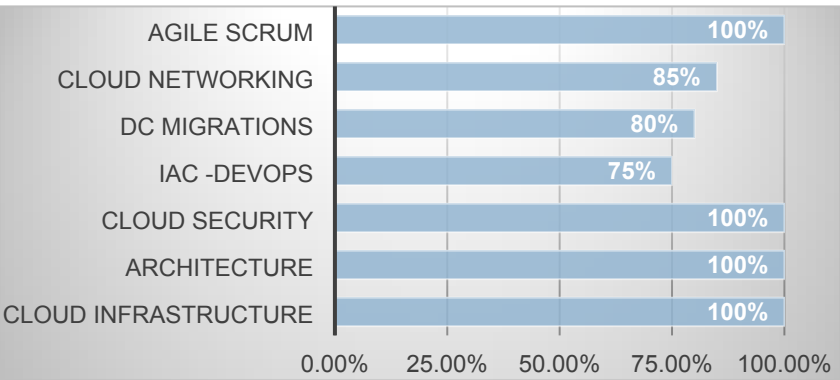
INNOVATION

- Designed and led the Initiative to build a Multi-tenant SaaS product for continuous compliance and security in Azure at Hanu Software.

CERTIFICATIONS

70-535 Architecting Microsoft Azure Solutions, Certification ID - 14321583

SKILLS



WORK EXPERIENCE

CLOUD REBOOT INC, PRINCIPAL CLOUD ARCHITECT - (PRINCETON, NJ) – DEC-2022 TO CURRENT

CLIENT - BLACKROCK:

- Working as a Cloud Security Architect to implement Security, Compliance and Governance for Internal & External applications hosted on Azure, AWS & GCP.
- Review and assess the application architectures based on InfoSec guidelines.
- Created the BlackRock security framework with security controls based on zero-trust for Sandbox and Productions environments.
- Researching and enabling new security features in Azure (Defender) in sandbox to provide guidance to application owners.
- Enabled and managed Azure AD PIM for OneAladdin Azure platform to strengthen the IAM security posture.
- Continuously monitoring the compliance dashboard of all the BlackRock environments hosted on Azure, AWS and GCP using third party tools.
- Periodically updating the InfoSec controls for Azure Security with new features for cloud services.
- Leveraged, Python, GoLang, Yaml, Terraform for updating the compliance policies using CI/CD pipelines.
- Review and approve the Terraform code for Kubernetes platform based on the Infosec guidelines.

CLIENT - INSIGHT:

- Working as a Cloud Solution Architect for Insight's customer – Johnson & Johnson (JnJ).
- Leading the tenant, subscription, resource level migrations from JnJ to Kenvue (JnJ's consumer business).
- Worked closely with JnJ architects to prepare Migration strategy for all Azure migrations.
- Created secure network and Infra architecture patterns for PaaS services in Kenvue tenant.
- Created secure architecture for APIM access to App service APIs with Application Gateway Load balancer to support LOB applications.
- Led offshore cloud engineers in successfully migrating the Azure subscriptions to the new tenant.

HANU SOFTWARE, CLOUD ARCHITECT SECURITY & INFRASTRUCTURE (PRINCETON, NJ) - JAN-2018 TO OCT -2019 & AUG- 2020 TO NOV-2022

HANU INNOVATION - INTERNAL:

- Led the Design and Implementation of Cloud CSPM tool with App Services, Azure SQL, Key Vault, Azure Policies, Kusto queries, and Power BI dashboard.
- Leveraged this homegrown CSPM tool to scan across multiple customer environments to review the security posture and provided recommended actions to safeguard the cloud platforms.
- Leveraged ADO pipelines to design and architect a fully automated pipeline for Kubernetes deployment.

GE HEALTHCARE:

- Worked as a Cloud Security Architect helping GE Healthcare to implement Security, Compliance and Governance for their IoT platform (Edison IoT) in Azure.
- Provided secure network architecture for connectivity of various components like Azure Functions, App services, IoT Hub, Digital Twin, Cosmos DB, Azure Kubernetes Service, Storage services.
- Created a secure IaC framework to deploy the Infra in Azure using Azure DevOps (CI/CD) and terraform.
- Leveraged JIRA agile boards to track work and created documentation over the confluence for GE Healthcare IoT platform in Azure.

GUIDEPOINT:

- Worked as a Principal WAF engineer for a Security and Compliance project with Guidepoint to review, assess and design the Azure WAF implementation with OWASP core rule sets and created custom policies.
- Assessed the existing network architecture, proposed Hub-Spoke topology, created design documents and implementation guide with detailed network architecture.

ENSEMBLE HEALTH PARTNERS:

- As a Cloud Security Architect helped Ensemble Health Partners on their HITRUST certification journey for their multi-cloud infrastructure (Azure & AWS).
- Created Architecture and Design Docs for addressing gaps in security for IAM, Data protection, Compute and Network Security.
- Did security assessment on the Azure environments to identify vulnerabilities as per the HITRUST compliance and provided roadmap and implementation guide to resolve vulnerabilities.
- Worked with cloud security engineers to implement all the security controls to ensure the compliance is met.

GE AVIATION:

- Led the Greenfield Implementation of GE Aviation's pilot DC migration (250 VMs) to Azure leveraging Azure DevOps for IaC Pipelines
- DC migration comprising Application, storage, AD, DNS, Integrations, File shares and other server Infrastructure.
- Worked with GE Cyber team to build a MVSC (Minimum Viable Secure Cloud) to host Aviation Digital products in Azure, Implemented NIST 800-53 r4 controls.
- Supported GE Aviation cyber team to ensure the aviation digital products are compliant with SOC2 readiness

TEACHFORAMERICA:

- Architected and led the DR Site (150 VMs) migration to Azure using ASR for TeachForAmerica.
- Assessed the Compute, Network and Bandwidth requirements for migration planning.
- Provided the target state architecture with landing zone and migration roadmap.
- Led the implementation of Disaster recovery site in Azure using ASR and performed DR-Drills.

CAMPUS MANAGEMENT:

- Successfully led the UK DC migration to Azure using ASR and Automation for Campus Management (~400 VMs)
- Created target state architecture and migration roadmap documents.
- Leveraged the ASR tool for lift and shift migration candidates and used automation for provisioning other infrastructure components.
- Worked with PM to prepare a cut-over plan for migration and led the execution for successful migration.

SELECTIVE INSURANCE, CLOUD ARCHITECT SECURITY & INFRASTRUCTURE - (BRANCHVILLE, NJ) - NOV-2019 TO JUL-2020

- At Selective, created the DevOps automation framework to deploy Infrastructure as Code in Azure & AWS
- Implemented Security controls via Azure pipelines leveraging AzSK Secure DevOps Kit
- Created and proposed a secure architecture for implementing LOB application in Azure.
- Stood up the Dev, QA and Prod environments for LOB app built on cloud native services, API Management, App Service API, Azure SQL, Azure Cache for Redis and Application Gateway WAF
- Created Security baselines based on CIS for Azure Foundations 1.1 benchmark.

KPMG, CLOUD SOLUTIONS ARCHITECT (WOODCLIFF LAKE, NJ) – JUL-2017 TO NOV 2017

- Worked as Cloud Solution Architect on a pilot project for KPMG Global on Security & Operations for Azure PaaS Services
- Involved In R&D, Documentation and Demos on Security for Azure SQL DW, SQL DB, Azure Functions, Application Gateway WAF

- Created guidance documentation with use cases, implementation best practices with various Architecture Diagrams
- Conducted demos to KPMG Cyber Security and Product teams on Secure Architectures.

EVERI HOLDINGS INC, AZURE ARCHITECT/ENGINEER (LAS VEGAS, NV) – MAR-2017 TO JUL-2017

- Worked as an Individual contributor to migrate Microsoft Dynamics NAV application to Azure Cloud
- Designed and Implemented Network & Server architectures, led the ARB meetings.
- Used Azure Site Recovery and PowerShell to build the Cloud Infrastructure – VNET, S2s VPN, Domain Join, NSGs, VMs, IIS

ALIXPARTNERS, AZURE/SHAREPOINT CONSULTANT (NYC, NY) – OCT-2016 TO FEB -2017

- Worked as an On-site lead for Nous Infosystems, migrating SharePoint workloads to Azure for their customer AlixPartners
- Worked with Technical PM in creating a project roadmap comprising sprint-based milestones
- Created Architecture documents and Runbooks for Lift & Shift migration using ASR
- Conducted code reviews of PowerShell scripts developed for Foundational Infrastructure

AMERICAN NURSES ASSOCIATION (ANA), O365/AZURE CONSULTANT (SILVERSPRINGS, MD) – FEB-2016 – SEP-2016

- As an Independent consultant, helped ANA in doing POCs for O365, SharePoint Online and Azure pilot migrations
- Created Sandbox environments with security controls, VNETs, S2S VPN, NSGs and DC and Jumbbox VMs
- Developed PowerShell Scripts to build automated environments in Azure
- Successfully created and demonstrated migrating InfoPath & SP Workflows leveraging MS PowerApps and Flows

VICTAULIC, O365/CLOUD CONSULTANT (EASTON, PA) – JUL-2014 – JAN-2016

- As an Independent consultant, helped Victaulic in their cloud migration journey.
- Migrated SharePoint lists from SharePoint 2010 to SharePoint Online using PowerShell and Metalogix tool
- Configured Virtual Networks, Compute and Storage in Azure Sandbox for Proof of concepts
- Leveraged Azure Storage blobs for migrating SharePoint workflows
- Migrated SharePoint Sites & InfoPath forms to SharePoint Online

COMCAST SPOTLIGHT, SHAREPOINT LEAD (WESTCHESTER, PA) – DEC 2013 TO JUN-2014

- As a SharePoint Lead, was responsible for managing the SP environments and adding feature enhancements
- Managed site collections, configured security, created sites, list, libraries, and configured site features in SharePoint 2007/2010.
- Designed SharePoint Sites, Pages, Web Parts, and Workflows; utilized SharePoint Designer 2007 for the creation of custom workflows.

VONAGE, SHAREPOINT DEVLOPER/ADMINISTRATOR (HOLMDEL, NJ) – MAR 2013 TO NOV 2013

- As a SharePoint consultant, worked part of the team re-designing the Technical support application for agents to provide great customer experience for any technical issues.
- Worked with business analysts and business owners to understand the requirements and prepared technical design document for few modules and workflow design
- Used C#, .Net framework, jQuery, JavaScript, and SPServices for development
- Leveraged SOAP based webservices to retrieve customer DID, MAC, Call Activity, Account Summary
- Involved in Integration testing, resolved issues and bug fixes in QA and UAT.

MUNICH RE, SR. SHAREPOINT CONSULTANT (PRINCETON, NJ) – NOV 2012 TO FEB 2013

- Involved in the Administration of MOSS 2007 and SP 2010 Farms.
- Maintained the servers and services of the servers in the SharePoint Environment.
- Migrate the exiting MOSS2007 SharePoint sites into exiting SP 2010 Farm.
- Extensively worked with Central Administration portion to perform server reports, manage errors, logging, web applications, site collections and optimizations.

FEDEX GROUND, SR.APPLICATION DEVELOPER (PITTSBURGH, PA) – AUG-2011 TO OCT 2012

- As a Sr. Application Developer, analyzed and migrated 50 medium and large sized Domino applications to SharePoint 2010.
- Migrated FedEx Ground Intranet Homepage and sites to SharePoint 2010 from Lotus Notes
- Heavily used html, CSS, SharePoint designer to create out of the box SharePoint sites and customize according to the design.
- Created flyout menus on SharePoint sites and migrated workflows using SP Designer.

CASCADES DATA SOLUTIONS, SOFTWARE ENGINEER (HYDERABAD, INDIA) – APR-2007 TO JAN-2011

- As a Junior Software Engineer, worked on various Infrastructure and operations at CDS.
- Installed and configure DNS, DHCP and AD services.
- Administered MOSS 2007, WSS 3.0 environments with over 6,000 Intranet and Extranet users.
- Created new Sites with Unique Permissions, List and Libraries, and included workflows and user groups
- Analyzed and monitored services and performance, and have governed access permission and Taxonomy
- Worked in support team for maintaining Intranet and Extranet SharePoint sites.