

DEEPANRAJ VELLINGIRI

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SUMMARY

Experienced Cloud Infrastructure Specialist with over 7 years of expertise in designing and implementing cloud-based solutions on AWS and Azure. Adept at defining and analyzing technical architectures, with a proven track record of data migration from legacy systems to SaaS applications. Proficient in multi-cloud environments, including AWS, Azure, with a focus on scalable, secure, and efficient solutions tailored to diverse client needs. A recognized Microsoft Security Researcher [CVE-2021-24113], bringing a strong security focus to ensure robust and compliant cloud architectures. Known for delivering data-driven solutions aligned with business objectives, with a proactive approach to continuous learning and technical skill enhancement.

SKILLS SUMMARY

- **Cloud Service Providers (CSP):** Extensive knowledge of Azure and AWS (IaaS, PaaS) for cloud architecture and deployment.
- **Migration Strategy:** Skilled in the 6-phase (6 PR) migration strategy to streamline and optimize cloud migration processes.
- **Frameworks:** Experienced in implementing cloud solutions within the AWS Cloud Adoption Framework (CAF) for structured and strategic digital transformation.
- **Project Management:** Proficient in Agile methodologies, including Scrum and Kanban; experienced with project management tools such as Jira and Confluence for collaborative planning and tracking.
- **Continuous Integration/Continuous Deployment (CI/CD):** Knowledge in CI/CD pipelines using Azure DevOps, Git, and Jenkins for efficient software development and deployment.
- **API Integration:** Designed and integrated services using REST and GraphQL API, enabling efficient data access and system interoperability.
- **Deployment Strategy:** Knowledgeable in Blue/Green deployment for minimizing downtime and reducing risks.
- **Cloud FinOps:** Expertise in Granulate tool for cloud financial operations, including cost optimization, budgeting, and forecasting.
- **Reporting and Dashboard:** Skilled in creating interactive powerbi dashboards and reports to visualize key business metrics
- **Soft Skills:** Strong team player with proven stakeholder management and people management skills, along with excellent communication abilities for effective collaboration and project alignment.

WORK EXPERIENCE

Company- Accenture

Project- 1 | Role- Cloud Migration Specialist | **Client-** Banking/Insurance **October 2023 – Present**

Technologies: Azure Entra B2C/B2B, Azure Web App, SQL Database, Azure Vault, Functions, Azure DevOps

Role: As an Azure Cloud Migration Specialist, my initial work involved identifying external on-premises active users and transitioning them to Azure Entra B2B or B2C, based on their application packages. Additionally, the project required automating MS Graph API access provisioning to address challenges in the current system, which relies on a **six-year-old** codebase. To achieve this, we thoroughly analyzed the existing application and implemented an automated flow using Azure services.

- **Assessment and Planning:** Conducted a comprehensive inventory of on-premises AD users, mapping them to Azure B2C/B2B. Developed phased migration plans to ensure minimal disruption.
- **Environment Preparation:** Worked with architects on Azure AD Connect, resolved account duplicates, and validation on domain readiness.
- **Migration Execution:** Created wave-based synchronization with Azure AD Connect, testing and validating strategy created for each wave for Azure Monitor and Entra Insights.
- **Automation:** Designed workflows with Azure Logic Apps and MS Graph API, enhancing access provisioning while reducing manual effort.
- **Legacy Codebase Optimization:** Modernized a six-year-old application for automated provisioning, improving performance and maintainability.
- **Security & Compliance:** Designed Azure Key Vault and implemented least-privilege access policies for robust security.
- **Dashboards & Documentation:** Built user-friendly dashboards for request tracking and trained stakeholders with detailed guides and manuals.

Project- 2 | Role- Digital Tech Transformation | **Client-** Hospitality

November 2021 – October 2023

Technologies: AWS Lambda, SQS, S3, EKS, Monday.com, GraphQL, Snowflake, Akana API, Git, Jenkins

Role: Specialized in integrating Monday.com with AWS services like Lambda, S3, and SQS to enable seamless migration task tracking for **11,000** properties. Proficient in optimizing API processing, ensuring secure data storage, and implementing efficient task management systems to streamline migration workflows and enhance operational efficiency.

- **Data Integration Architecture:** Developed a sophisticated integration system utilizing Monday.com API, AWS Lambda, snowflake database to synchronize data and maintain migration task accuracy, ensuring a cohesive strategy across platforms.
- **Automation Engineer:** Automated Board Creation and Data Integration for Property Management on Monday.com using

EKS,S3,Snowflake Table,SQS.

- Worked as part of a team in designing and executing an automated board creation workflow for managing over 11,000 property deployments on Monday.com, streamlining a 22-month project cycle.
- Designed an integration system utilizing AWS S3 and Snowflake tables to organize and trigger the deployment on EKS of up to 800 project boards monthly.
- Demonstrated system functionality through comprehensive video demonstrations, paving the way for a transition to fully automated infrastructure services.
- Collaboration and Documentation: Collaborated with cross-functional teams, providing technical guidance and support for cloud-related initiatives.

Company- Cognizant

Project- 1 | Role- Cloud Operations Engineer | Client- Retail

June 2018 – November 2021

Technologies:Azure, AWS service.

Role: Experienced Cloud Operations Engineer skilled in managing multi-account Azure, AWS environments, optimizing costs, and ensuring high availability using services like EC2, S3, IAM. Proficient in incident management, network configuration, and security compliance with tools like GuardDuty, WAF, and Trusted Advisor. Delivered efficient, scalable solutions while maintaining SLAs across **50+** AWS accounts.

- Access Control: Assigned roles, implement access control policies, and regularly review user permissions to ensure least privilege access.
- Cloud Administrator: Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups, Identity management.
- Hybrid Cloud Architectures: Designed and maintained hybrid environments, facilitating a seamless operational flow between on premises and cloud-based infrastructures, ensuring agility and resilience.
- .Resource Security: Configure and manage encryption keys, monitor IAM logs for unauthorized access, and detect anomalous activities.
- Compliance and Governance: IAM configurations adhere to regulatory standards, maintain documentation for audits, and respond to IAM-related security incidents.
- Incident/Service Request/Change Request Problem management using service now tool. Provide diagnosis/resolution for the issue within SLA and regular follow-ups with vendors for the remediation of the issue.
- Management and Administration of AWS Services EC2, VPC, S3, ELB.
- Analyzed and prepared cost estimation and involved in cost optimization for each environment in AWS Cloud
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.

MIT LICENSED PROJECTS

Microsoft-Azure-Innovation-Challenge | [LINK](#)

- Implemented API Management to enhance application security, enabling seamless API packaging for developers and partners. Streamlined onboarding with a self-service portal, providing comprehensive documentation and an interactive API console for efficient developers.

Snowflake-AI-Research-Vision | [LINK](#)

- Vision has proven to be an invaluable tool for retail businesses, offering actionable insights and comprehensive analysis to drive informed decision-making. By leveraging the power of advanced AI, Vision enhances product performance evaluation, optimizes inventory management, improves customer satisfaction, identifies market trends, and supports strategic planning, ultimately leading to better business outcomes and competitive advantage.

Pangea-AWS-Securathon | [LINK](#)

- Developed and deployed a secure healthcare web application using React.js on Azure Web Apps.
- Implemented robust login and registration processes authenticated by Pangea and Auth0 for enhanced identity management.
- Integrated Pangea file scanning services to validate uploaded insurance test forms for malware before uploading to AWS S3.

Microsoft-Identity-For-All | [LINK](#)

- Developed web app enabling secure access for customers and business groups through Single SignOn (SSO) and Multi-Factor Authentication (MFA). Implemented social identity for B2C access and business organization account integration for B2B applications, ensuring robust authentication mechanisms for both user segments..

AWS-Counterfeiting-Hackathon | [LINK](#)

- Enabled solution for product authentication through TCC QR codes on batch or serialization levels for smart products. Consumers can utilize ordinary smartphones to scan the QR code, triggering a product authentication check against its digital record on the TCC Platform, providing instant confirmation of the product's authenticity.

Microsoft-Malware-Detection-Azure-Sentinel | [LINK](#)

- Created Malware Threat Detection Solution, ensuring cybersecurity with advanced detection against backdoors, password stealers, ransomware, trojans, and worms to fortify against diverse cyber threats. Proactively defends against remote access, unauthorized data collection, file encryption, deceptive malware, and contagious spread through file sharing.

CERTIFICATES

1-AI-102: Microsoft Certified: Azure Administrator Associate	Dec 2024.
2-AZ-305: Designing Microsoft Azure Infrastructure Solutions	Feb 2024
3-AZ-104: Microsoft Certified: Azure Administrator Associate	March 2023
4-CSI Linux Certified Investigator CSI	November 2023.
5-AWS Certified Solutions Architect-Associate	March 2021.
6-AWS Partner- Accreditation (Technical)	April 2023.

AWARDS AND RECOGNITION

INTERNAL	EXTERNAL
Accenture Stellar Award Q1 Winner- 2024	Microsoft Data factory KQL Hack-2023
Accenture Growth Catalyst award -2023	Microsoft Kusto Detective Gold Star-2023
Accenture Monthly Town Hall Awards - JULY 2023	MSUS Cloud Skills Challenge Champion-2022
Accenture Act As A True Partner - JAN 2023	Azure Identity and Access Management-2022
Accenture Client Value Creation - MAY 2023	Microsoft Security Researcher Program MSRC-2021
Accenture Stellar Award Q2 2023	Google Mass Private Security Researcher-2021
Cognizant Star Of The Month - MARCH 2021	Lenovo Private Program Security Researcher-2021
Cognizant Rockstar Award - NOV 2020	Tide Pool Private Program Security Researcher-2021
Cognizant Best Performer Award - JUN 2019	Microsoft Community GPS Hacks - 2021
Cognizant Hall Of Fame -AUG 2018	Cisco Verified level -200 -2017

DECLARATION

I do hereby declare that the details furnished above are true to the best of my knowledge and ability.

PLACE: Coimbatore
DATE: 20-11-2024

Yours Sincerely,
(DeepanRaj)