Sivakumar Palanisamy

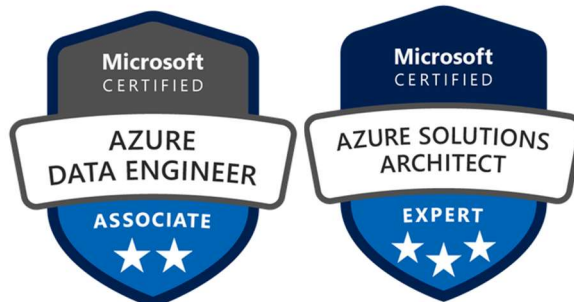**Mobile : +**91 97877-36777

E-Mail: rpsivakumar@gmail.com

Azure Data Solution Architect

SUMMARY:

- 15+ years of industry experience, having extensive and diverse exposure in Microsoft Azure Cloud technologies, BI Reporting, Oracle, SQL, RPA and ITPA Automation.

- Have 6+ years of experience in Big data related roles like Data Analyst, Data Engineer, Azure Tech Lead, Azure Solution Architect.

- **Solution and Hands-On experience in Azure Cloud Services like Azure Databricks with PySpark and Spark SQL, Azure Synapse Analytics with server-less SQL pool, Dedicated SQL pool and Spark pool, Azure Data Factory pipelines, Azure SQL, Azure Data Lake Gen 2 and Blob storage, Azure KeyVault, Virtual Networking, Service Bus, Azure Analytics Service, BI reporting solutions using Power BI.**

- **Have experience in DevOps tools like Jenkins, Bit Bucket, Jfrog Artifactory and Azure DevOps.**

- **Have experience in agile with both Jira and Azure DevOps stack.**

- Have completed the below Microsoft certification :

  ➢ **Microsoft Azure Administrator -- AZ-104**

  ➢ **Designing Microsoft Azure Infrastructure Solutions — AZ-305**

  ➢ **Microsoft Certified: Azure Data Engineer Associate — DP-203**

  ➢ **Analyzing Data with Microsoft Power BI - DA-100**

  ➢ **Microsoft Azure Data Fundamentals - DP-900**

  ➢ **Microsoft Azure Fundamentals - AZ-900**

- Have experience Architecting, building, and maintaining cost-efficient, scalable cloud environments for the organization. Understanding business objectives and creating cloud-based solutions to facilitate those objectives.
- Have experience determining the risk associated with third-party platforms or frameworks. Designing, building, maintaining internal cloud applications for the organization.
- Collaborate with other tracks to design and build the data models needed to derive dashboards, reports and insights.
- Developed and deployed, embedded BI reports and dashboards by connecting to different data sources like SQL server, Snowflake DW,Azure DevOps analytics view.
- Extensive hands-on experience in tracking and logging end to end software application build using Azure Devops and Jira
- Have hands on experience in creating pipeline jobs, schedule triggers using Azure Synapse Analytics and Azure Data Factory.
- Have involved in the various stages of development life cycle including solution, analysis, design, build and project deployment in both Agile and Waterfall model.
- Have involved different project management activities SOW, RFP, amendment, Risk Mitigation, Team Management.

Experience Summary:

Organization	Designation/ Role	Location	Duration
Cognizant Technology Solutions	Project Manager / Cloud Architect	CCC- CHIL SEZ, Keernatham, Coimbatore – 641035	14 Years
Cognizant Technology Solutions	Senior Associate – Projects/ Project Lead	151 Farmington Avenue, Hartford CT-06156, USA	1 Year

Technologies

Operating Systems	Windows Family
Database	My SQL, DB2, Oracle, Azure SQL, Azure Data Bricks Deltalake
BI Tools	MS POWER BI
Cloud Services	Azure Synapse Analytics, Azure Data Factory, Azure Data bricks, Azure data lake.

Project Assignments:

The details of the various assignments handled are listed below:

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Affiliate Gross Profit & Profit in Inventory

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Project Synopsis:

The scope of Affiliate Gross Profit/Profit in Inventory is to calculate Affiliate gross profit made and Profit in inventory made by source companies on the sales made to end customer. AGP process will bring consistency among different franchises. It will bring ability for finance team to forecast AGP. The PII derivation includes derivation of Forex calculation, Inter Company Profit and Manufacturing cost. Solution proposed with different Azure services **Azure Data Lake Gen2, Azure Data-Factory and Azure Databricks**.

Roles and Responsibilities:

- Requirements Analysis and Solution Architecture Design.

- Logical and physical data model design.

- Identify the gaps and come up with working solutions.

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- Understand enterprise application design framework and processes.

- Work under Agile design, development framework Sprint planning, Create and own the technical product backlogs for products, help the team to close the backlogs in right time.

- Work closely with the stake holders to design the Technical Architecture for data platform to meet the requirements of the proposed solution.

- Provide technical design, development assistance to the team to accomplish the project deliverables as planned/scoped.

- Use case brain storming, Now and then process discussion. Business architecture, logical architecture, Data solution architect discussion.

- Collaborate with other architects, leads, team members in an agile scrum environment documentation of solutions (e.g. data models, configurations, and setup).

Client	Johnson and Johnson
Role/Team	Azure Solution Architect
Environment	Business Analytics **:** Tableau Cloud **: Azure Data factory and Azure Databricks, Datalake and deltalake** Data source : Teradata, S4 Hana, SQL server Business Domain **:** Life sciences
Duration	Dec-2021 – Till Date

Customer 360 with Azure Data Lake and analytics

Project Synopsis:

- Customer has begun an IT transformation journey with their data Lake Implementation and now more refinement for C360 which will help them to transform their current IT landscape. As part of this initiative, customer will have capability for analysing data to better understand customers, helping to make better decisions.

- Help the Customer Service Org achieve its vision by either establishing, improving, or laying the foundation for the following capabilities: Customer Centric Interactions; Assign Customer Personas; Automating Personalized Customer Messaging; Personalize Customer Interactions; Achieve Operational Efficiencies; Cross Channel Analytics; Integration with customer facing technologies including providing predictive call analytics and next best offer to the customer care centre.

Roles and Responsibilities:

- Requirements Analysis and Solution Architecture Design.
- Data modelling and data architecture design.
- ETL, data integration and data migration design.
- Analysis of requirements and production of specifications.
- Documentation of solutions (e.g. data models, configurations, and setup).
- Working within a project management/agile delivery methodology in a leading role as part of a wider team.
- Deal with other stakeholders/ end users in the software development lifecycle – PMs, BAs, testing etc.,

Client	Arizona Public Services

Role/Team	Azure Solution Architect
Environment	Business Analytics **:** Power BI **Cloud** **: Azure Synapse Analytics** Data source : Customer Insights, Blob, Dynamics 365 Business Domain **:** Energy and Utilities
Duration	Jan-2020- To – Nov-2021

Business Analytics report

Project Synopsis:

Power BI is a cloud-based business analytic solution used to analyse data. It can connect to a variety of data sources including Snowflake which is the chosen platform for StreamOne Ion. Power BI is used to provide an unified user experience, the dashboards and BI reports can be easily embedded in the application to deliver interactive reports and visualizations. All analytical requirements of the StreamOne Ion portal like optimization reports, forecasting, trending, etc. shall be catered through Power BI.

Power BI reports will be used by both internal and external users (e.g., resellers, end-consumers).

Below are the different types of profiles:

- Orchestrator – Orchestrator main roles are Profile management, Quote management, Catalog management etc.

- Aggregator - Aggregator roles include Plan creations and post-sale support like plan changes, subscription upgrade/down grade etc.

- Reseller - Interface between Techdata and End-Customer. Purchases the products and plan from Techdata and sold to end customer.

- End-Customer – purchase the products and plan from reseller.

- Power BI Embedded dashboard development for different business scenarios like CostVsSpend, Monthly Recurring Revenue, and Subscription related tiles, Azure DevOps.

Roles and Responsibilities:

- Managing master data, including creation, updates, and deletion. Managing users and user roles.

- Provide quality assurance of imported data, working with quality assurance analysts if necessary.

- Commissioning and decommissioning of data sets. Processing confidential data and information according to guidelines.

- Helping develop reports and analysis. Managing and designing the reporting environment, including data sources, security, and metadata.

- Generating reports from single or multiple systems.

- Troubleshooting the reporting database environment and reports.

- Evaluating changes and updates to source production systems.

- Training end-users on new reports and dashboards.

- Providing technical expertise in data storage structures, data mining, and data cleansing.

Client	Tech Data
Role/Team	Business Analytics Technical Lead
Environment	Data Analytics Tool **:** Power BI Cloud : Azure Database : MS-SQL Business Domain **:** Technology
Duration	Jan-2017 – Dec-2019

Automation

Description	Identify the automation opportunity by analysing ticketed and non-ticketed activities. Map the appropriate Automation tools in RPA and ITPA. Involved in automation solution development and deployment activities.
Client	Anthem, Centene, Aetna, FPL
Role/Team	Automation Specialist
Team Size	5
Environment	Operating system **:** Windows Family Tools **:** Uipath, WinAutomation, Autopal, eyeShare Business Domain **:** Healthcare and MLEU
Contribution	▪ Analyse the information gathered and identify repeating activities. ▪ Check the automation feasibility for repeating items and identify appropriate automation tool. ▪ Estimate the projected effort, cost savings & ROI. ▪ Complete the use case Design, Build and Deployment. **MS Power BI** **Job Monitoring dashboard:** • Gathered the Job statistics data from sql server. Perform the ETL for job details. • Created data model for Job, step, server, session details. • Plotted visualizations dashboard for Jobs completed, failed cancelled and retry list. • Also have dashboard for Job duration, job history, step wise summary. **Automation metrics dashboard:** • Gather details from sql server DB. Perform the ETL for execution statistics. • Created data model for execution metrics, includes effort and cost savings. • Plotted visualizations for summary of effort savings and cost savings on daily, monthly and yearly basis. **Resource utilization Dashboard :** • Gather details from Excel(ESA report). Perform the ETL for cleaning the data. • Created data model for Utilization, Billability, • Plotted visualizations for Utilization trend, Billable Vs Billed Hours, Billed Vs Unbilled.
Period	Jan 2015 to Dec 2016

Roles Responsibilities:

- Experience in Automation assessment activity that includes Preliminary Assessment, Data Analysis, Current State Assessment and Automation Solution implementation.

Preliminary Assessment:

Perform due diligence to Understand Existing Scope, process and tools. Gather the information for analysis Data collection – Ticket dump, non-ticketed activities & Enhancement lists. 6 months to 1 year of ticket dump will be analyzed using cognizant in-house tools R Studio, N Gram, iGenie. With the help of tools candid scenarios will be identified.

Data Analysis:

Analyze the information gathered. Discuss the inferences and get the concurrence from Account PoC. Identify the top K applications that contributes to 70% of the overall effort & Shortlist use cases and service activities. Use cases will be mapped with corresponding RPA & ITPA automation tool available in market like UIpath, Ayehu Eyeshare, Winautomation, Servicenow Orchestration, Automation Anywhere e.t.c.,.

Current State Assessment:

Overall Assessment of Activities allied with Services. Ascertain current execution approach (Manual, Script, Tool). Attain the Grade & AMI Score based on the Current Automation level to baseline it. When there is existing tools already available with client landscape those tool capability and feasibility will be assessed with identified use cases. Business cases will be presented to delivery team and client to get the approval for workflow development. Business case will have complete assessment findings effort benefits, cost benefits.

Automation Solution:

Itemize the identified Use cases/Service Activities in detail. Evaluate % Opportunity of automation and propose tool based solution. Workflow with corresponding tool will be developed and deployed, hence manual effort of repeating tasks will be reduced. In the workflow development usual SDLC process will be followed. This involves analysis and design, coding, testing and deployment.

Medical Management- Application Development

Description	Aetna Total Clinical View™ (ATV) is a new clinical desktop that Aetna is developing that will be the replacement of eTUMS. While the initial releases have implemented case management, Disease management, beginning right till date, the ultimate goal is to bring all National Care Management programs and products onto ATV as the single integrated platform. The deployment of ATV represents an important milestone on the journey to realize the three primary goals of Aetna's National Care Management strategy. A member centric or "whole member" view of each member's health. Greater business flexibility to keep pace with a dynamic changing health care environment. Improved automation to allow clinicians to spend more time working with members.
Client	Aetna
Role/Team	Senior Developer
Team Size	4
Environment	Software :Oracle, PL/SQL Project name : Medical Management Business Domain : Healthcare
Contribution	Analysis, Design, Coding, Testing, Implementation & Project Tracking
Period	Jan-2013 to DEC-2014

Member Enrollment - Application Development

Description	Member Domain - Includes individuals with current or historical Aetna product membership, and administrative processes that update and manage membership information as well as individual demographic data. In the member domain have experience in below applications: 1) HMO Member Enrollment: 2) IMI (Individual Master Index)
Client	Aetna
Role/Team	Technical Lead
Team Size	6
Environment	Software :Oracle, PL/SQL Project name **:** Member Enrollment Business Domain **:** Healthcare
Contribution	Estimation, Analysis, Design, Build, Testing, Implementation, Risk Management & Project Tracking
Period	JAN-2010 to DEC-2012

Claims Adjudication- Application Development

Description	• Have worked in Aetna Healthcare Application development engagement. The Claim "domain" scope focuses on the Applications, Messages and Message Content that supports medical claim intake, validation and preparation, adjudication, payment and reporting and how they relate to both internal and external constituents. The Claim Domain. • Consists of the two claim adjudication engines (ACAS for traditional claims and HMO Claims). • The Automated Claim Adjudication System (ACAS) is the strategic claim adjudication application. Currently, it supports the traditional and HNO based products. However, in the future it will support all of the health products that Aetna offers. This application functionality is to adjudicate claims submitted to Aetna according to the plan of benefits.
Client	Aetna
Role/Team	Technical Lead
Team Size	7

Environment	Software	:Oracle, PL/SQL
	Project name	: Member Enrollment
	Business Domain	: Healthcare
Contribution	▪ Manage a 7-member development team and provide direction & guidance. ▪ Coordinate with onshore and testing teams. ▪ Perform reviews at various levels (Estimation, design, build, testing and Deployment). ▪ Project tracking and reporting.	
Period	SEP-2007 to DEC-2010	

Cognizant Academy Training

Description	Cognizant Academy training. Basic concepts and specific soft skill training to make industry ready professional.
Client	Cognizant Academy
Role/Team	Trainee
Period	Jul-2007 to Aug-2007

Educational Qualification:

Title of the Degree with Branch	College/University	Year of Passing
MSc (Computer Technology)	Coimbatore Institute of Technology - Anna University	2007
BSc (Computer Technology)	Coimbatore Institute of Technology - Anna University	2005
XII	Kathiravan Matriculation Higher secondary school	2002
X	Kathiravan Matriculation Higher secondary school	2000

Personal Details:

Date of Birth   : 31-Jan-1984
Sex   : Male
Marital status   : Married
Language known   : English, Tamil
Nationality   : Indian
Passport   : Yes
Visa   : H1B(Valid until 30-Sep-2025)

Declaration

  I hereby declare that the information furnished above is true to the best of my knowledge**.**

Date: Jun-21-2023
Place: Coimbatore   Sivakumar Palanisamy