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Profile Summary: Overall 25 years of experience in MS Technologies includes 20 + Years of experience in dot NET technology under various capacity starting from developer, team lead, technical architect, technical manager etc. and hold a number of Microsoft based certifications.

Associated with Finance clients as “Enterprise Architect” for about 4 years for their programs governing the architecture standards and most often leading a team. I have demonstrated strong leadership skills to inspire the team, technical alignment with Business needs, resolve conflicts and ensure the smooth progress of the project. Worked mostly on Azure.

Associated with Pharma clients as “Enterprise Architect” for their programs for the about 5 years including number of Cloud migration projects (AWS/ Azure)

Over 5 years’ experience in Banking domain (63 months). Played role as developer, delivery Lead, SME for various banking modules such as asset, liability, current, savings, deposit, clearing, service branch, loan, reconciliation and divisional office modules.

Served as onsite Lead Architect in Mauritius for ABC group of companies to provide a thorough analysis/review/architecture their whole computerization and lead the team from offshore to Deliver the same.(4 years duration). Hands on knowledge in designing hybrid and cloud native applications

Expert knowledge in AZURE Cloud components like including but not limited to - Azure Service Bus, Azure Event Hub, Azure Event Grid, Azure Data Factory, Azure Functions, Azure Logic Apps, Azure Blobs, Azure Data Bricks, Azure Fabric, Azure SQL etc.

Architected number of projects with Data engineering requirements involving Azure Data Factory, Azure Data Bricks, Azure Data Lake2, Synapse Analytics, Azure Fabric and Power BI.

Worked extensively in Azure Kubernetes Services to deploy application components with container orchestration.

Hands on with design and implementation plan for Azure dev ops using – Azure Repos, Azure pipelines, Azure Test Plans and Azure boards.

Expert advisor in selection of appropriate AWS / AZURE Cloud components for the large programs
Contributes for selection of architecture components. Evaluates and undertakes impact analysis on major design options and assesses and manages associated risks.

Architected Responsive UI designs for various mobile form factors.

Expert in Design patterns like DDD, Micros Services design, GoF 23 patterns, MVC, MVP and MVVM, SOLID Principles, IoC etc.

Well versed in various estimation techniques (Function Point analysis, Use Case, WBS, COCOMO)

Through working knowledge of Various SDLCs including Agile, Waterfall, Prototype and Build model. Extensive experience in **UML** and has ability to identify Nonfunctional requirements and design the solution accordingly

Triple Master's degree holder in Physics and in Computer science (M.Sc.,M.Phil.,MCA)

Travelled across Europe, Africa, US and South East Asia. Always ready for overseas travel in short notice. **Holding a Business Visa for US (valid till 2034)**

Work Experience

JOB TITLE	Company	From	To
Principle Architect	Cognizant	Feb-10	Till date
Asst. Technical Manager	iSOFT	Oct-08	Feb-10
IT Consultant / Technial Architect	ABC IT Group (Nissan Automobile) Mauritius	Dec-04	Sep-08
System Analyst	Global Sward	Jul-04	Dec-04
Project Manager	BenchMark Solutions	Jan-04	Jul-04
Project Manager / Leader	Vispark Solutions	Dec-2000	Dec-03
IT Officer	Lakshmi Vilas Bank	Aug-1995	Nov-2000

Technical Skill

Hardware / Software	WEB – dotNET 7, ASP.NET 7, MVC, ASP.NET core 3.2, WCF, C# WF, Web Services, LINQ, IIS, XML, Share point
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	Client Server – VB.NET Cloud : Azure, AWS Azure : Azure Service Bus, Azure Event Hub, Azure Event Grid, Azure Data Factory, Azure Functions, Azure Logic Apps, Azure Blobs, Azure Data Bricks, Azure Fabric, Azure SQL, Azure API Mgmt etc. Reports : Power BI , Crystal reports
Databases	Azure SQL, COSMOS, NoSQL, SQL Server 2017/14/16, Oracle 9/18, Dynamo DB
Tools	MS-Visio, MS-Project, FX Cop, Click Once, Visual Source Safe, Sub Version, TFS, MS-Visio, NUnit, GIT Hub
Technology / Design patterns	AWS, AZURE, Docker, Micro Services, SOA, Design Patterns,DDD, MVC, MVP, MVVM, Estimation (Functional points, Use case points), UML,
Programing Languages	C#, LinQ, VB.NET, VB, C++
Scripting Languages	Angular, ReactJS, JavaScript, Type Script

Certification

S/no	Professional Society / Certification
	AWS SOLUTION ARCHITECT EXAM Azure Architect Design Exam AZURE FUNDAMENTALS Exam And Various Microsoft dotNET related certifications

Project Experience

Project # 1

Client	Big Four Audit Firm
Operating System	Azure hosted
Tools	MS Visual Studio 2023 / .NET 8/ Azure SQL
Duration	1 Year
Technical Skill Involved	ReactJS, ASP.NET core, ReactJS, Azure SQL, Kubernetes, Power BI Reports
Project Overview/Background/Context–	
To manage and steam line the opportunity getting across the organization in global manner. This tool also helps to bring in standards, governance across handling of RFP, Contract preparation, Deal review Solution and monitoring across the globe for the organization.	

Roles & Responsibilities –

Enterprises Architect, estimation, design, architecture, client interaction across various technical teams, Sample code review, microservices based patterns.

Technical Solution Offered / Key Contribution –

Came up with estimation and Overall architecture, Integration design with upstream, downstream systems, Cloud design patterns, choosing correct cloud components, auto scaling combinations, Infrastructure finalization, Security considerations, PoCs on Integration hub between Power Automate based pull from Azure Service Bus messages through Azure functions (for massaging / translating the data), Kubernetes deployment, Azure Repos, Azure functions

Business Impact –

Project executed Agile module with 3 weeks sprint across various workstreams like “solutioning”, “solution review”, “reporting and monitoring” etc. The whole process has been streamlined and also the flow of information about the opportunity, deal initiation, deal review, deal completion status are available across application in an seamless manner with low latency.

Project # 2

Client	Big Four Audit Firm
Operating System	Azure hosted
Tools	Azure Data Factory / Azure Data Bricks / Azure Analytics / Azure Data Lake Gen2 / Azure SQL / Power BI/Azure AD/Azure Secrets/ Azure Principal account
Duration	1.3 Years
Technical Skill Involved	Azure Data Engineering based skills

Project Overview/Background/Context–

This project will be used as the tool to help practitioners to get available historic data to calculate the transfer pricing for clients across US. In this context, Transfer pricing is referred to the value transfer between sister concerns for the goods or services transferred between related parties so as to taxation of the Govt. remains compliance within the regional laws.

Roles & Responsibilities –

Enterprises Architect, Estimation, Preparation of architecture and costing to get the buying of various business Units, High level design, architecture, Understand the requirements in Business context, define the data elements to be captured, code review, cloud patterns,

Technical Solution Offered / Key Contribution –

Came up with a technical solution so to bring the raw data (either present in electronic format or present in paper) to Azure SQL after doing the necessary uploading of data and data transformation (through Azure Data Factory and Azure Data Bricks with intermediate storing based out of Azure Data Lake) and if required to start with AI based capture from raw format. This involves understanding of the very complex business rules and understanding of the data requires lot of discussion with stakeholders as the project is not a usual standard solution – atleast in terms of Capture of Data.

Business Impact –

Transfer Pricing compliance is one of the most sought-out requirements in US finance firms. Lot of business rules comes into picture time to time also capture of valid data, articles in timely fashion is important in taking correct decision as organization need to pay the pricing in a such a way beneficial to them as well as be compliance with regional laws. These kind of technical

tools are very much essential for the transfer pricing professional before they come with their findings.

Project # 3

Client	Big Four Audit Firm
Operating System	Azure hosted
Tools	Azure Analytics / BLOB / Azure SQL / Power BI/ Azure Bing Search / Angular / Azure AD/ChatGPT, Azure Kubernetes
Duration	15 Months
Technical Skill Involved	Azure based AI skills

Project Overview/Background/Context–**Roles & Responsibilities –**

Enterprises Architect, Requirements gathering with product owner and business personal, Estimation, Preparation of High level design, Leading the PoCs, Architecture Finalization, Cloud patterns,

Technical Solution Offered / Key Contribution –

The UI has been built in MVC framework using Angular with dotNET as middleware and Azure SQL- backend. Azure Bing Search has been integrated into the solution for providing latest Tax based news. ChatGPT has been integrated for AI based TaxChat discussion. Power BI based reporting done for reporting.

Business Impact –

Businesses use this tool as a product to their clients for finalization of the Tax both for individual as well for corporates. Globalized solution enable businesses to operate on different languages and on different regions for various tax professionals. When the individual or

Project # 4

Client	Big Four Audit Firm
Operating System	Azure based Cloud hosting
Tools	Visual Studio 2023/Angular/dotNET 8 / Azure SQL/ADF/Azure Data bricks / Azure Data Lakes/Azure Data Event Hub
Duration	10 Months
Technical Skill Involved	C#

Project Overview/Background/Context–

This project is known as GEM (Global Engagement Management). Useful to create , manage, complete and monitor the various engagements which the client undertakes across the globe. The results of the engagements flows back to the leadership based on the deal value and regional considerations. Historically available related solution offerings also brought to the purview of the engagement professionals to help to leverage the exiting knowledge, if any.

Roles & Responsibilities –

Enterprises Architect, estimation, Leading the PoCs, preparation of High level design, interaction with client and third party vendor, architecture, client interaction, participating in Audit calls, Security considerations sample code review, cloud patterns, devised a solution to handle structured and unstructured data.

Technical Solution Offered / Key Contribution –

Enterprises Architect role to develop the solution which the engagement professionals will handle, also for Leadership to get the data back in double quick time with very low latency. Role engine based solution for taking automated decision based on regional regulations and pricing value. Build a DR solution with Primary and Secondary regions, automated role creation using RBAC and APIs driven Power BI based roles.

Business Impact –

Global professional able to manage the engagement in efficient manner through out the life cycle of engagements right from realization of the deals with solutions. Getting automated knowledge from past historic data so to build on the accumulated knowledge. The leadership getting the status of the happenings with low latency based on values and regional boundaries.

Project # 5

Client	Global Leader in Pharma
Operating System	Windows Server 2016
Tools	Visual Studio 2015/Oracle / AWS
Duration	10 Months
Technical Skill Involved	C#

Project Overview/Background/Context–

This project is to built background engine for shopping cart project. The shopping cart project was developed in Magneto framework, to fulfil the order processing, stock handling, returns, reconciliation, various vendor communication and other tasks, the client decided to build this engine. This is to make the front-end customer facing UI to be lightweight. This background processing engine was developed in C# with SQS taking the orders scheduled using AWS scheduler and processed orders were notified to the client by SNS triggered AWS mails.

Roles & Responsibilities –

Enterprises Architect, estimation, Preparation of High level design, interaction with client and third party vendor, taking over the finished code base, established the same in Cognizant network, architecture, client interaction, code review, cloud patterns,

Technical Solution Offered / Key Contribution –

Enterprises Architect role in transition process of the “Reimbursement Hub” from a third party vender within a limited period and build a strong team in Cognizant to continue the enhancement / support for the same. This Hub was developed in dotNET framework involving plenty of latest technologies, like iLogger, NuGet Entity framework, AWS Scheduler, AWS SQS, AWS SNS, AWS based Email etc. with application build on top of Onion Architecture,

Business Impact –

As indicated already the client decided to build this engine to support the front end and make it light weight. Due to major background tasks are taken up by this engine the performance of the

site improved considerably. This background processing engine was developed in C# with SQS taking the orders scheduled using AWS scheduler and processed orders were notified to the client by SNS triggered AWS mails..

Project # 6

Client	Global Leader in Pharma
Operating System	Windows Server 2016
Tools	Visual Studio 2015 / PhP/ Oracle / AWS
Duration	8 Months
Technical Skill Involved	C#

Project Overview/Background/Context–

AWS migration project from on-premise environment. The client was having a project developed in oxalite environment and wanted to move it to cloud. The project is a shopping cart project with spike during promotions, typical background operations with down-stream systems. They wanted to select appropriate AWS cloud components and come up with architecture with minimal costing.

Roles & Responsibilities –

Enterprises Architect, estimation, selection of proper AWS components, like to like as well as improved ones, Preparation of High level design, interaction with client and third party vendor, taking over the finished code base, established the same in Cognizant network, auto scaling based architecture, client interaction, code review, cloud patterns,

Technical Solution Offered / Key Contribution –

Selection of cost effective solution components, third party management, came up with a migration plan and implemented the same. Spllit up of migration plan details in terms of 1 week / 72 hours etc. Auto scaling combinations, and developer systems requirements, effective usage of AWS - SQS, AWS - SES, AWS – SNS. Contributed significantly in building cache patterns and DR solutions

Business Impact –

Client was able to do the migration successfully and effectively use the AWS platform to launch the product sales through online across 34 countries. Careful selection of caching pattern between Reddis and cloud formation enabled the performance of the site to improve considerably.

Assignments outside Cognizant

The details of the some of assignments that I have handled before joining Cognizant are listed here.

Project 7	Lorenzo (Health care product)
Customer	Confidential

Description	This product is for health care domain, this contains health care modules like in-patient, out-patient, bed management, general setup, Lab, Clinical analysis, regional analysis, capacity management, CDC, etc.
Role	Technical Architect
Responsibilities	<ul style="list-style-type: none"> - Preparation of High Level Design - Review of Design documents/Database design - Evaluation of Tools - Estimation based on FP - POCs - SOA architecture finalization - Leading a team of designers - Optimisation of SQL Query/Database - RD and suggestions for technical team
Solution Environment	ASP.NET/WCF/C#/SQL Server 2005/Silver light/AJAX/Linq
Tools	MS-VSS (for source code control)
Highlights	<ul style="list-style-type: none"> - Did HLD for orchestration of services - Has a say in almost all Design patterns finalization

Project 8	AIMS (Automobile ERP product)
Customer	Automobile client
Description	This project is basically for Automobile domain. This project is for the computerization of the motors works operations; this is a part of ERP product, which includes the modules like purchase, sales, operations and forecasting. This is a re-engineer project where the modules are converted from Foxpro technology to dotNET framework along with enhancements.
Role	Technical Architect
Responsibilities	<ul style="list-style-type: none"> - Preparation of High Level Design - Review of Design documents/Data base design - Estimation based on UCP and then FP - POCs on web services and remoting related

	<ul style="list-style-type: none"> - Analysis of design document and decision on design patterns like factory pattern, façade, singleton - Onsite visit – requirement gathering assistance - Leading a team of designers - Optimisation of SQL Query/Database for performance
Solution Environment	ASP.NET/C#/SQL Server 2005/Windows 2003
Tools	MS-VSS (for source code control), Click Once
Highlights	<p>Usage of AJAX to improve response time</p> <p>Development of interface to communicate with the Tax officials of Mauritius (very few companies to have this automation this in Mauritius)</p>

Project 9	Finance integrated Management System
Customer	Automobile financing
Description	This project is basically for Automobile inventory/finance management. This project is for the computerization of the motors works operations; this is a part of ERP product, which includes the modules like inventory, sales, services and finance.
Role	Technical Architect
Responsibilities	<ul style="list-style-type: none"> - Preparation of High Level Design - Review of Design documents/Database Design - Estimation based on UCP and then FP - POCs (Enterprises application blocks) - Analysis of design document and decision on design patterns like factory pattern, façade, singleton etc. - Onsite visit – requirement gathering assistance, Estimation - Leading a team of designers - Optimisation of SQL Query/Database for performance
Solution Environment	ASP.NET/C#/SQL Server 2005/Windows 2003
Tools	MS-VSS (for source code control)
Highlights	Usage of AJAX to improve response time

	<p>Development of interface to communicate with the Tax officials of Mauritius (very few companies to have this automation this in Mauritius)</p> <p>Development of interface to communicate with Nissan South Africa (very few companies in Globe to have this kind of automation)</p>
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Project 10	Integrated Leasing Solutions – Mauritius
Customer	Leasing company
Description	The client is in the business of Leasing. The solutions consist of module like HR, payroll, leasing, finance, deposits
Role	Technical Architect
Responsibilities	<ul style="list-style-type: none"> - Participated in requirements gathering (onsite) - Risk Management Measures during conversion - Preparation of High Level Design - Review of Design documents / Database design - Leading a team of designers - Estimation based on FP <ul style="list-style-type: none"> - Analysis and review of design document and decision on design patterns like factory pattern, façade, singleton - Optimisation of SQL Query/Database for performance
Solution Environment	ASP.NET/C#/SQL Server 2000/Windows 2003
Tools	MS-VSS (for source code control)
Highlights	Conversion from existing Foxpro system to SQL Server through DTC. Automated Scripts developed to authenticate the data.

Note : I have listed - 6 projects in Cognizant and 4 projects outside cognizant. On-demand will provide the details on other assignments as well.

Education

Degree	College/University
M.Sc	AM Jain / Madras University
M.Phil	Loyola / Madras University
MCA	Madras University