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Current Role

Application Architect at Cloud & Data Centre of Excellence at Nihilent Ltd.

Experience

- Current role at CoE involves sizing & realizing cloud data platform solutions through projects including estimations, execution & delivery
- Engage with prospective clients for presales, proposals & cutting-edge proof of concepts.
- 14 years of IT experience with hands-on expertise to lead / execute projects across diverse skillsets end-to-end DWH project life cycle (Requirements, LDM / PDM, ETL and Data Visualization) on MSBI,
 Azure Data platform & Power BI.

Expertise

- ✓ Dimensional modeling using Kimball methodology & schema design for SMP, MPP & EPP architecture
- ✓ Big Data ADLSGen2, Azure Synapse, Azure SQL/Postgres, Azure Analysis Services, ADFv2, SSIS
- ✓ Datalake & EDW ETL design using Azure Data Factory v2, SSIS, Data Quality
- ✓ Database Programming T-SQL, PL/SQL, DAX, MDX, Polybase, SQL Server performance tuning
- ✓ Data-visualization Power BI, SSRS 2012/2016/Mobile, Tableau, QlikView
- ✓ Application dev skills C# NET 3.5 / Win Forms / ASP.NET / JavaScript
- Exposure of Databricks, Informatica MDM, Google BigQuery, Snowflake, Spark-QL, Azure DevOps
- ✓ Domain Experience
 - Lending & Asset Management
 - Marketing Media Planning and Digital Analytics
 - o Supply Chain Production, Materials, Sales and Distribution, Inventory & Logistics
 - o MIS and Business Performance Measurement

Assignments Brief

Below is a chronological brief of carrier assignments at Nihilent Ltd. over past 14 years:

Period	Duration	Role	Client(s)	Project Location
Jul'19 – Jan'21	19 mths	Architect: SQLDW, Databricks, ADLS	Tata Capital Ltd.	Mumbai, India
Aug'18 – Jun'19	11 mths	Architect: Azure SQL, ADF, Azure AS	IIFL Wealth HR Johnson	Mumbai, India
Jun'18 – Aug'18	3 mths	Pre-sales: Azure Data Platform	IndusInd Bank	Pune, India
Feb'18 – May'18	5 mths	Designer: SSAS TOM, PowerBI	SONY Europe	Basingstoke, UK
Apr'17 – Jan'18	10 mths	Designer: DW Azure SQL DWaaS	BajajFinServ LTFS	Pune, India
Apr'14 – Sep'16	2.4 yrs	Designer: SSAS MD / TOM, Power BI	Havas Media, London	London, UK
Aug'13 – Feb'14	7 mths	Project Lead – SSAS, SQL 2012	Havas Media, London	Pune, India
Mar'13 – July'13	5 mths	Solution DesignerNET / SQL	SABMiller	Pune, India
Oct'11 – Feb'13	1.5 yrs	Technical Project Manager	SABMiller	Pune, India
Nov'10 – Sep'11	1 yr	Project LeadNET	SABMiller	Pune, India
Oct'08 – Oct'10	2 yrs	Senior .NET Developer	SABMiller, South Africa	Johannesburg, SA
Sep'06 – Sep'08	2 yrs	Web Developer, C#.NET and MSBI	Nihilent Ltd.	Pune, India

Education

Degree and Date	Institute Major and Specialization		
PG Diploma in Adv. Computing	CDAC Sunbeam Karad	Highest Scorer in CPT exam –July2006	
Bachelor of Engineering (CS)	RITEE, Raipur – June2005	68.79%	
Senior Secondary, CBSE	KV Baikunthpur – June 2000	PCM with 66%	
Higher Secondary, CBSE	KV Baikunthpur – June 1998	59.0%	

Achievements

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ı	Achievement	Details	Period	
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CDAC - Exam Highest Score	CPT Topper – Sunbeam Karad; Dual Gold-Medals J2EE & .NET	Jul 2006
MCP - MCTS 70-536 certified	.NET	Jan 2008
CEO's Excellence Award	Role - Senior Developer onsite	Nov 2009
Individual Recognition by Client	Role – Senior developer, Project Triumph at SABMiller, SA	April 2010
Team of the year (12 member)	Role - Project Lead – SAB Enhancements Offshore	Nov 2012
Nihilent CEO's Award	Role –MSBI Project Lead; Associate of the Year Award	Jan 2014

Assignments Details (Chronological from Recent)

EDW Solutions Architect

Client Name: Tata Capital Limited, Mumbai

July'19 - Jan'21

Azure Data Lake and MPP EDW Implementation - Cloud Enterprise Data warehouse, ETL & Reporting Tools - Azure Data Factory v2, Azure Synapse, Tableau, Talend, Azure Data bricks, Azure Data Lake Responsibilities –

- EDW Solution component selection
- Azure Data Lake Design; Data Cleansing Solution design
- EDW LDM modelling, STM & design for Azure Synapse based Enterprise Data-warehouse solution
- Logical Data model and Physical Data model to integrate 700 tables from 15 Sources in the EDW
- Metadata driven ETL using Azure Data Factory based ETL\ EL
- Delivery of Finance Data Mart
- ETL optimization through Micro-batching using Azure Functions, Azure Event Grid & Azure Data Databricks
- Expose EDW for Business Users using Tableau Reporting
- Delivery of 11 data-marts from the EDW

Azure Data Solutions Architect

Client Name: India Infoline Wealth (IIFLW) Wealth and Asset Management, Mumbai June 2018 – Jul'19

Cloud Enterprise Datawarehouse, ETL & Reporting Development

Tools - Azure Data Factory v2, Azure SQL database, Azure Analysis Services and Power BI Responsibilities –

- Pre-sales Technical Solution authoring; Efforts/Cost estimation and Proposal presentation
- Delivery of EDW solution based on 11 On-premise and SDFC source applications
- Prepared detailed sizing of Azure PaaS and laaS components to optimize cost
- Provided the customer with 3 years Azure consumption TCO
- Engaged with customer and Microsoft to conduct reviews of the PaaS architecture sizing
- Developed detailed task level project plan and conducted Project Kick-off at customer site
- Contributed to on-going requirements gathering, data profiling and documentation tasks
- Work in progress on detailed dimensional model and physical schema design
- Project Execution and Weekly Status Reporting

Lead Power BI Consultant

Client Name: SONY Europe Professional Services, Basingstoke, UK Feb 2018 – May 2018

Global Compliance Datawarehouse and Power BI reporting development based on SCCM datawarehouse. Tools - SQL Server Analysis services **Tabular Object Model**, Microsoft **Power BI** Responsibilities -

- Designed the Tabular dimensional data model on SCCM datawarehouse
- Developed and Deployed the SSAS Tabular model solution
- Designed and developed the bespoke features of Power BI
 - Dynamic Measure and Labels on X and Y axis; Slicer Selected value display
 - Built-in dashboard documentation and cover page

- Delivered dashboard for Microsoft and 3rd party patch Compliance, Software and Hardware Inventory, Vulnerability, Client Health and Antivirus status reporting
- Coordination with offshore team members to review and assist with assigned tasks
- Weekly Status reporting and progress review with client project executives
- Conducted Power BI and DAX Training for client associates

Achievement - Individual Appreciation and Accolades by the Client for the entire team on-project closure

Senior Solution Designer – Azure and MSBI

Client Name: NBFC- L&T Financial Services, Pune and Mumbai

Nov 2017 - Jan 2018

Digital Transformation - Digital Marts NBFC Prospect acquisition framework and Enterprise DW Integration

Tools - Azure SQL Datawarehouse, SSIS, Polybase, Azure BLOB storage, C#.NET Responsibilities:

- Conducted requirements analysis with business executive and data science team
- Conducted data standardization session and developed templates to uniformly integrate prospect data from multiple 3rd parties provided in disparate file formats
- Designed and developed customizable rule-based Data cleansing C#.NET application
- Integrated the Data cleanings utility in SSIS based ETL
- Designed and implemented Metadata driven
 - ETL solution to load prospect data from on-premise to Azure BLOB storage using AZCopy
 - ELT solution to load data from Azure BLOB Store into Azure SQL DwaaS using Polybase
- Designed the Physical Schema on Azure SQL datawarehouse for digital Marts
 - Prospect Mart new prospect data acquisition
 - BureauMart for efficient storage of Bureau scrub output from multiple credit bureaus
 - Single Customer View Integration EDW Customer with Prospect and BureauMart
- Implemented data flows [Cleanse Load –Dedupe -Bureau Scrub Enrich] cycle for prospect data
- Conducted UAT with Data science team and deployed the final solution

Senior Solution Designer – Azure DWaaS and MSBI

Client Name: NBFC - Bajaj Finserv, India, Pune

Oct 2016 - Oct 2017

Digital Transformation – Collection Performance Mart reporting and Prospect Mart for New Customer Acquisition **Tools**: Azure SQL Datawarehouse, SSIS, Polybase, Azure BLOB storage, SSRS Mobile report Publisher,

SSRS 2016, Power BI Report Server and desktop client

Responsibilities:

- Developed automated ETL solution to ingest data from SFTP into Azure BLOB Storage
- Developed dynamic ETL scripts to load in Azure SQL datawarehouse
 - Slowing changing attributes
 - o Incremental data
 - Upload data from multiple file formats from any partners with any business column names
- Developed the Prospect Mart on Azure SQL datawarehouse ensuring efficient data distribution keys
- Designed SSIS data flows for de-duplication of existing customers and execute Bureau scrub
- Designed the developed the Bureau Mart on Azure SQL datawarehouse for CIBIL bureau data ingestion
- Developed reports for Collection efficiency, Penalty percentage and Channel wise daily and monthly collection trend, Cost Analysis, Portfolio Analysis and Revenue Trends
- Developed T-SQL based datasets using Azure SQL DW as source for SSRS mobile reports
- Implemented Power BI reports with following features
 - Slicers for Product, Geography and date dimensions
 - In-chart drilldowns for Geography and date dimensions
 - Complex DAX expressions
 - Implemented power BI custom visuals and formatting of dashboards as per client corporate colours
 - Deployed dashboards on Power BI service

Lead SQL Server and MSBI Developer

Client Name: Havas Media, London UK, Media Digital

Apr 2014 - Sep 2016

Tools: SQL server 2012, SSIS, SSAS Tabular/multi-dimensional, SSRS, DAX, MDX, Power BI, Tableau 9, C#.NET, ASP.NET, SharePoint 2010

Responsibilities:

- Developed Media Planning Finance Reporting / Operational Dashboards using SSRS and SSAS Multidimensional cube source
- Developed Dominos competitive intelligence dashboard by creating Power BI data model
- Developed PowerView dashboards and Powerpivot based excel pivot reports using cube as source for finance reporting; deployed on Office 365.
- Developed finance dashboard in SSRS 2012 with SSAS Multi-dimensional cube source
- Developed Monthly operational dashboard in Tableau 9.
- Developed bespoke client reporting solution, using SSAS cube, SSIS data flows and ASP.NET web
 front ends to deliver monthly/yearly spend and campaign performance reports for telecommunications
 major client of Havas Media UK
- · Engaged with end users for requirements and prepared WBS estimations & project plans
- Designed the SSIS ETL development :
 - Developed SSIS ETL patterns for full, incremental and historical loads of SQL data marts
 - Developed ETL Subsystems for SK generation, Hierarchies, Type 2 SCD, Data Lineage and Auditing, Error configuration and logging, Archiving
- Developed Tabular cube and OLAP based SSRS reports :
 - Developed Bus Matrix and Star schema data models
 - Developed cube with 60 business measures analysed across 13 dimensions and Time
 - Implemented Dynamic row level security and Cell level security in SSAS tabular and multidim cubes
 - Developed calculated measures using the DAX Calculate() function and Time- related facts and KPIs – YOY, YTD, MTD analysis
 - Integrated Google DCM campaign data into existing multi-dimensional Finance cube
 - Developed MDX based calculated measures and RAG KPI's in multi-dimensional cube; automated formatted HTML & SSRS reports in daily email delivery
- Developed quantitative data confidence dashboard Delivered multiple improvements in ETL load-time performance and cube functionality enhancements

MSBI Project Lead for offshore development team

Client Name: Havas Media, London UK, Media Digital

Sep 2013 – Nov 2013

OLAP Data warehouse/Cube, ETL and Report development

Tools: SQL server 2012, SSIS, SSAS Tabular/multi-dimensional, SSRS, MDX,

Responsibilities:

- Prepared detailed WBS estimations and project-plan
- Designed the data model using MS Visio Star schema with Regular, Degenerate dimensions,
 Transaction and Lag/Duration facts
- Designed the data warehouse and developed multi-dimensional cube; Developed SSIS ETL patterns for **full, incremental and historical** loads
- Provided code-review and assisted the team with solutions for SFTP download, JSON extraction to SQL, and **dynamic fact partitioning, performance tuning** of stored procedures and SSIS ETL
- Developed solution for degenerate dimension processing and most recent fact partition processing
- Developed time-lag fact related stored procedures
- Written MDX scripts and gueries for calculated cube measures and named calculations
- Developed Dynamic MDX queries for automatic verification of cube vs. source data.
- Handled the deployment, go-live and user training content and delivered the project-closure document
- Delivered change requests for Integration of new data sources and enhancements

Achievement: Project delivered with-in 98% schedule compliance with client appreciation

Tech Lead for .NET Development

Client Name: SABMiller South Africa Oct 2011 – July 2013

Roles and Responsibilities:

• Technical Project Manager - Oct 2011 – Feb 2013

• Solution Designer - Mar 2013 - July 2013

Senior .NET Developer

Client Name: SABMiller South Africa

Oct 2008 - Sep 2011

Project: Supply Chain planning application development and BI reporting

Tools: C#.NET 2.0, ASP.NET 2.0, MS AJAX, ASP, JavaScript, VB6, SQL Server 2000/ 2005, DTS / SSIS /

SSRS, ASP.NET 2.0 and QlikView

Roles and Responsibilities:

• Senior .NET developer

.NET & SQL Developer

Sep 2006 - Oct 2008

Tools: ASP.NET 2.0, C#.NET, JavaScript, AJAX, SQL Server 2000/2005, Windows XP/2003 Server, IIS 5.0/6.0 Roles and Responsibilities:

- Team member in multiple in-house and .NET application development projects
- Client: Nihilent
 - Peer To Peer Review P2P Review Web Application (Jan-08 to Sep 2008)
 - Employee Referral portal ERP Web Application (Oct-07 June-08)
- Client: SABMiller, SA
 - Goals Tracker Web Application (01-May- 07 to 10-Aug- 07)
- Client: MTN-SA, HPCL, IBA, Demag Cranes
 - LAMAT Performance Management System (Oct 2006 Apr 2007)

References

Available on request