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| Summary Information Management professional with over 15+ years of experience in Consulting, Architecture, Design ,Implementation and Delivery in the area of Cloud, Analytics, ETL, Big data, Data Warehousing, Data Governance, MDM and Predictive/Machine Learning   * Focus Area:     Cloud Solution Architecture (Azure & AWS)  Analytics solutions design  MDM Architecture, Informatica MDM 9.1 Design & Implementation  Big Data Architecture& Design (Cloudera ,MapR )  Data Governance , Informatica Data Director (IDD) implementation  Data warehouse Architecture, Dimensional Modeling and Data Modeling  Business Data analysis in Banking, Securities, Retail & Healthcare  Data Mart & ETL Architecture and design  Information management Strategy  Agile Development, Scrum Master  Technical Delivery Management and Agile Project Management  Data Quality Analysis and Design (Informatica IDQ, SAS Dataflux )   * Certifications:  1. TOGAF 9.1 Certified Enterprise Architect 2. Azure Certified Cloud Solutions Architect Expert (AZ 70-535 & AZ 302) 3. AWS Certified Solution Architect Associate 4. Certified SCRUM Master 5. Tableau Certified Desktop Specialist 6. Informatica Certified Specialist (MDM and Data Governance ) 7. Informatica Certified Data Quality 9.5 Specialist 8. Oracle 9i Certified Pl/SQL Developer 9. Oracle 9i Certified Associate DBA |
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**Technical Skills:**

Architecture Frameworks TOGAF 9.1

Cloud Solutions Microsoft Azure, AWS

Analytics Tableau, Power BI

MDM Tools: Informatica MDM 9.5, SAS-MDM

Big Data/Hadoop Programming Tools: Cloudera (CDH),Map R (Spark 2.2, Hive, Kafka, Sqoop, Hbase, Flume)

Machine Learning Azure ML Studio, Scikit Learn, RStudio

DevOps Azure DevOps, Jenkins

Data Governance e tools: Informatica Data Director

ETL Tools/Data Ingestion: Informatica 9.1, SSIS, Talend 5.5

Data Quality Tools: Informatica IDQ 9.5, Dataflux 8.1

Databases: Oracle Database 9i, SQL Server 2016 ,10g, 11g, PostgresQL, MySQL,

Design Tools: MS Visio, ERWIN 7

Business Intelligence/Analytics: Logi Analytics, Tableau 10

Languages: Oracle PL/SQL, Scala, R, Python, Java Script, Java

Development Tools: Toad, SQL Developer, PL/SQL Developer, Python 2.7 Studio

Operating Systems: Windows & Linux

Miscellaneous: JIRA, HP Quality Center 11, Top Team 7, Sharepoint, Enterprise Scheduling tool –Active Batch 8, ActiveEon 6.1

**Companies worked with:**

1. Mastek UK :September 2014 till date
2. Symphony Teleca Corporation: Feb 2014 - August 2014
3. Quintiles Technologies India Pvt. Ltd: April 2012- Feb 2014
4. NESS Technologies(Quintiles Development Centre) Feb 2008 - April 2012
5. Wipro Technologies: June 2003 to January 2008
6. TAPMI : Oct 1994 to May 2003

**Roles Played:**

* Solutions Architect – Azure Cloud
* Solutions Architect- Bigdata & Analytics – Retail & Healthcare
* Data warehousing Technical Architect – Finance, Healthcare
* MDM & Data Quality Architect – Healthcare, Retail
* Business Data Analyst –Healthcare Finance & Retail
* SCRUM Master
* Data Quality Analyst
* Data Quality & Data Governance solutions designer
* ETL Lead
* Data Modeller

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| **Key Project Details**   |  |  |  | | --- | --- | --- | | **Project 1** | | | | **Project Name** | **:** | NHSI- Electronic Data Collection – Cloud Native solution | | **Company** | **:** | Mastek UK | | **Duration** | **:** | Sep 2018 onwards | | **Client** | **:** | National Health Services (NHS –I) , UK | | **Brief** | **:** | Electronic Data Collection is NHSI’s Cloud native solution to build Collection , processing , storing of UK’s NHSI Trusts and Hospital data, both in realtime and batch mode. This involves building analytics to showcase metrics in realtime seamlessly on Web, Android , IOS and IPads. | | **Technology** | **:** | Cloud based solution built on Azure Cloud using Event Grid, Event Hub, Cosmos DB, Logic Apps, Data Factory, WebApp and MobileApp | | **Role** | **:** | Cloud Architect | | **Key Responsibilities and Achievements** | **:** | Solution Architecture for Electronic Data Collection application. Design of WebApp and MobileApp, Dashboard design , Provisioning , designing and coding of cloud services like Event Grid, CosmosDB, Webapp & Logic app. |  |  |  |  | | --- | --- | --- | | **Project 2** | | | | **Project Name** | **:** | NHSI – Data Access Catalogue | | **Company** | **:** | Mastek UK | | **Duration** | **:** | March 2018 Aug 2018 | | **Client** | **:** | National Health Services (NHS –I) , UK | | **Brief** | **:** | DAC is a strategic metadata management tool built to capture business and technical metadata of   1. Datasets 2. Datamarts (Dimension and Facts) 3. Reference data   This tool helps users to get the best out of the NHSI data warehouse, SIP, and it’s associated analytical and reporting products | | **Technology** | **:** | SQL Server 2016. ER Studio, IDERA Team Server, SSIS, Azure Cloud, Cloud SQL Database, Webapp | | **Role** | **:** | Data Architect | | **Key Responsibilities and Achievements** | **:** | Analysis of various datamarts, datasets  Metadata design for datasets, datamarts and reference data  Reverse engineering of models using ER Studio (Data modeling tool)  Publishing metadata via IDERA Team Server tool  Design and build audit jobs using SSIS |  |  |  |  | | --- | --- | --- | | **Project 3** | | | | **Project Name** | **:** | NHS – Model Hospital | | **Company** | **:** | Mastek UK | | **Duration** | **:** | Oct 2017 onwards | | **Client** | **:** | National Health Services (NHS –I) , UK | | **Brief** | **:** | Model Hospital is digital information service designed to help NHS providers improve their productivity and efficiency by comparing against various benchmarks. | | **Technology** | **:** | SQL Server 2016. Azure Cloud, Tableau 10 & MS VSS | | **Role** | **:** | Business Data Analyst | | **Key Responsibilities and Achievements** | **:** | Business analysis, capture the and analyse the requirements to enhance and update metrics in Model Hospital portal  Analyse data sourced from various NHS trusts/providers, define data heuristics, Analyse Model Hospital KPIs |  |  |  |  | | --- | --- | --- | | **Project 4** | | | | **Project Name** | **:** | Specsavers – Data Lake  Design Data Lake, Data Analysis, Data Quality strategy, Build Data Quality Rules | | **Company** | **:** | Mastek UK | | **Duration** | **:** | Jun2016 - June 2017 | | **Client** | **:** | Specsavers, UK | | **Brief** | **:** | Specsavers, leader in vision care and largest privately owned Vision care in UK, is in the process of massive digital transformation to integrate all the Specsavers data. The project is to build a data lake by bringing all the required data to MapR cluster in Azure cloud to build impactful insights using Apache Drill and Tableau. | | **Technology** | **:** | MapR Hadoop Eco System, Oracle 11g, SQL Server 2014, Apache Drill, Tableau 10 | | **Role** | **:** | Data Architect | | **Key Responsibilities and Achievements** | **:** | Analyse data from existing sources systems and reports  Data Quality analysis for various sources, applications  Data Quality rules Preparation for the data entering Data Lake  Analyse existing Oracle Customer Hub to integrate Single source of customer data  Data Quality strategy document preparation  Data lake Design |  |  |  |  | | --- | --- | --- | | **Project 5** | | | | **Project Name** | **:** | WHSmith-Future Store Analytics | | **Company** | **:** | Mastek UK | | **Duration** | **:** | Sep 2015 – Jun 2016 | | **Client** | **:** | WHSmith, UK | | Brief | : | WHSmith Future Store Analytics project delivers Dashboard & Reporting solution for Store Managers & Regional Business Managers of WHSmith, accessed by 660 High Street store across UK. This new innovative store dashboard and decision making solution designed and developed using Logi-Analytics as BI Tool and Teradata & SQL Server as database. This solution is utilised across the organisation, specifically focused on faster and more informed decision making by Store and Regional Managers leading to Store process improvement, Priority based task allocation and sales revenue uplift across the High Street. The initial POC done using Qlik view 11 and Logi Analytics | | Technology | : | Logi Analytics, Teradata v15, SQL Server 2012 , Qlikview 11 | | Role | : | Solutions Architect | | Key Responsibilities and Achievements | : | Prepare End to End Architecture  Design and delivery of Store Dashboard & RBM Dashboard  Analyse the store data and prepare queries  Design of Opportunity Dashboard to provide insights into Sales opportunity for a store in a Region.  Design of both presentation layer & Security layer  Integration with DNN |(Dot Net Nuke) & AD (for SSO)  Key Achievements:  Dashboard solution design  End to end Solution delivery  Query design, UX design, Integration with various application  Performance improvements both at Solution perspective and Database perspective to achieve response time of 5-8 seconds when accessed by stores across UK |  |  |  |  | | --- | --- | --- | | **Project 6** | | | | **Project Name** | **:** | Integrated Platform Technologies (IPT) - BRP | | **Company** | **:** | Mastek UK | | **Duration** | **:** | Sep 2014 - Aug 2015 | | **Client** | **:** | UK Border Security (HomeOffice) UK | | **Brief** | **:** | Home Office Biometric Residency Permit (BRP) project is to provide BRP cards which will substitute existing visa system printed in passport, for overseas travelers entering UK on work/student visa. Suite of open source tools used for this project. | | **Technology** | **:** | Talend 5.5, Talend Data Quality 5.4, Oracle 11g, ActiveEon 6.03, PostgreSQL | | **Role** | **:** | Technical Architect | | **Key Responsibilities and Achievements** | **:** | Produce ETL Architecture, ETL Design  Prepare Data Quality and cleansing Rules  Prepare HA architecture for Scheduling tool (ActiveEon)  Design HA & DR architecture for ETL  Design for security touch point for ETL applications and propose alternatives for these security requirement of ETL module  Design Scheduling tasks for ETL application and automated scheduling solution |  |  |  |  | | --- | --- | --- | | **Project 7** | | | | **Project Name** | **:** | DataMart for Customer and Opportunities and Customer MDM | | **Company** | **:** | Symphony Teleca Corporation, (now Harman International a Samsung Company) Bangalore | | **Duration** | **:** | Feb 2014 – Aug 2014 | | **Client** | **:** | HIBU, big Print/Digital Media client from UK | | **Brief** | **:** | Client is one of the leading in UK & US in print/digital media. Main customer pain area was to integrate data various sources and third party data to provide single repository for customer data and build Data quality rules for the deduplication of data. This also involved design of Customer MDM using Informatica MDM | | **Technology** | **:** | Informatica 9.1 (ETL), Oracle 11g, Netezza, Informatica IDQ 9.1, Informatica MDM | | **Role** | **:** | DWH/MDM Architect , SCRUM Master | | **Key Responsibilities and Achievements** | **:** | Review of Data Mart Architecture  Designed Data Quality rules for Leads/opportunities data  Designed match rules to match internal data with third party data to Dedup the data  Worked on integrating various source systems, external data from Third party  POC on Customer MDM using Informatica MDM |  |  |  |  | | --- | --- | --- | | **Project 8** | | | | **Project Name** | **:** | Informatica MDM implementation -Phase I & Phase II  -using Informatica MDM (Siperian) 9.1/9.5 | | **Company** | **:** | Quintiles Technologies India (Pvt.) Ltd, Bangalore | | **Duration** | **:** | Feb 2012 – Jan 2014 | | **Technology** | **:** | Informatica MDM (9.1), IDD 9.1, Informatica 9.1 (ETL), Informatica IDQ 9.1 Oracle 11g, SQL Server 2008, Exadata | | **Role** | **:** | MDM Architect , SCRUM Master | | **Key Responsibilities and Achievements** | **:** | **Description:**  This project is to re architect and build Master data entities using Informatica MDM Suite based solution and also build required reference data for Quintiles Inc (Now Quintiles IMS ). Quintiles is a global leader in clinical trail domain engaged in delivering integrated information and technology solutions to drive healthcare forward.  **Contribution:**  Prepared MDM Architecture, Designed MDM entities - Party, Organization, Study Protocol, Clinical Study Site, Investigator & Customer using Pharma R & D model  Designed and implemented Data cleansing and standardization rules using Informatica Data Quality 9.1  Worked on Hub Configuration , Match & Merge Configuration & Tuning match rules for potential over match & under match and IDD (Informatica Data Director) Configuration  Publish the data and harmonize with new source /applications  Responsible for managing scope, planning, tracking, change control, aspects  Part of Data Governance team to define decision rights and accountability framework for critical data  Other contribution areas: prepare data Stewards policy, and contribution to Enterprise level data definitions and enterprise level data Quality standards Played  SCRUM master Role | |
| |  |  |  | | --- | --- | --- | | **Project 9** | | | | **Project Name** | **:** | Trail Management Data Mart | | **Company** | **:** | NESS Technologies Ltd , Bangalore | | **Duration** | **:** | Mar 2011 - Jan 2012 | | **Client** | **:** | Quintiles Inc. , RTP, North Carolina | | **Technology** | **:** | Informatica 9.1 (ETL), Oracle 11g, ER Win | | **Role** | **:** | Senior Architect, Manager | | **Key Responsibilities and Achievements** | **:** | **Description:**  This project is to build Data Mart on top of Trail Management ODS, to provide all the metrics and milestones at Clinical Study, Site and Country level. . Main purpose here is to build unified view of KSI,(Key Study Indicators) of all CRO operations using data sourced from Lab data, clinical trail management system, ECG and Salesforce applications.  **Contribution:**  Worked in the area of Dimensional Modeling, ETL Mapping & Workflows design and Data Quality rules definition  Implemented ETL design solutions using Informatica 8.6/9.1  Migrated project from Informatica 8.6 to 9.1  Managed team of 15 members. |  |  |  |  | | --- | --- | --- | | **Project 10** | | | | **Project Name** | **:** | **MDM –Entities for Clinical Trail management System**  Single Customer view, Single Project view, Single Protocol view and Single StudySite view | | **Company** | **:** | NESS Technologies Ltd , Bangalore | | **Duration** | **:** | Jan 2009 - Feb 2011 | | **Client** | **:** | Quintiles Inc , RTP, North Carolina | | **Technology** | **:** | Informatica 8.6 (ETL), Oracle 10g, 11g, qMDM 2.0 (from SAS), Dataflux 8.1 | | **Client** | **:** | Quintiles Inc. | | **Role** | **:** | MDM Architect, , Technical Manager | | **Project Description /**  **Key Responsibilities and Achievements** | **:** | **Description:**  Quintiles (Now Quintiles IMS), a global leader in clinical trails, had clinical trail and lab data captured in various systems spread across the globe, The different version of truth on various key information like Protocol, customer, StudySite and Project was a cause of concern for clinical data processing and delaying submission for FDA approval.  As part of Enterprise Initiative four entities have been identified namely, Customer, Protocol, StudySite and Project. The MDM Architecture Style used here is Co –Existence style. In addition to this, several reference entities are designed and deployed using Centralized Architecture Style.  MDM repository is built using Oracle 11g, SAS MDM, Informatica ETL, Dataflux Data Quality tools.  ETL tool, Informatica 8.6, is used to extract the source application data and bring them to staging area. Dataflux 8.0 is used for Data quality analysis, Data standardization. MDM entities are built using SAS MDM -qMDM 2 tools. Address cleansing and enrichment is done using Address Doctor. Data is published for consuming applications and Data Stewards via web services.  **Contribution:**   * Designed MDM Architecture * Designed and developed Data Quality rules * MDM Solution design * Development of MDM solution using SAS MDM - qMDM 2 * Implemented Data cleansing and Standardization using DataFlux and Address Doctor |  |  |  |  | | --- | --- | --- | | **Project 11** | | | | **Project Name** | **:** | **Trial management ODS, Clinical Data ODS** | | **Company** | **:** | NESS Technologies Ltd , Bangalore | | **Duration** | **:** | Jan 2008 – Dec 2008 | | **Client** | **:** | Quintiles Inc. , RTP, North Carolina | | **Technology** | **:** | Informatica 8.6 (ETL), Oracle 11g, Dataflux 8.1, ERWIN 7 | | **Client** | **:** | Quintiles Inc. | | **Role** | **:** | Datawarehouse Architect | | **Key Responsibilities and Achievements** | **:** | **Description:**  Quintiles Inc. is world’s largest Clinical Trail company, engaged in conducting Phase 1- Phase 4 clinical trials for world’s leading Pharma organisations.  Trail Management ODS and Clinical Trail ODS are the two ODS designed as part of Data Factory Initiative. Clinical Trial data from CTMS (Clinical Trial Management System, QLIMS (Lab System), ECG, SalesForce, TRIO are extracted and loaded into ODS which will act as data store for Dashboard and also Datastore/source for Datamarts.  **Contribution:**   * Designed ODS Modeling * Designed and developed the Data Quality rules using SAS Dataflux. * Managed team of 10 members |  |  |  |  | | --- | --- | --- | | **Project 12** | | | | Project Name | : | **UBS- GSS Datawarehouse - Analysis , Performance Tuning** & Archiving | | Company | : | Wipro Technologies – UBS London | | Duration | : | Jun 2006 – Nov 2007 | | Client | : | UBS , London | | Technology | : | Oracle9i (on Solaris 8), Version Control: IBM Rational Clear Case  Technology: Oracle9i, Solaris 8,  Tools: TOAD, SQL Plus  OS : Solaris 8  Version Control: IBM Rational Clear Case  Tools: TOAD, SQL Plus  OS : Solaris 8  Version Control: IBM Rational Clear Case | | Role | : | Data Analyst | | Project Description /  Key Responsibilities and Achievements | : | Description:  This project is for the Compliance group of UBS IB, London.  GSS Datawarehouse is part of UBS Anti Money Laundering (AML) initiative namely Global Monitoring Programme (GMP). GMP is a Surveillance system that benefits the customer by providing a web based solution to track suspicious trading activities. GSS is the one of the large Datawarehouse in UBS built to meet the regulatory requirements.  Scope of this project is enhance the design, Improve the performance of the Datawarehouse & provide short term and long term solution to manage exponential growth of Data.  **Contribution:**   * Analysis of the Datawarehouse and the performance bottlenecks, prepare long-term data management strategy. * Providing design enhancements for improving the performance * Development of required Oracle 9i PL/SQL automation packages * Performance Tuning solutions * Prepare requirements Document and Integration Test scenarios |  |  |  |  | | --- | --- | --- | | **Project 13** | | | | Project Name | : | UBS- EBK Data Mart | | Company | : | Wipro Technologies – UBS Switzerland | | Duration | : | July 2005 - May 2006 | | Client | : | UBS ((Union Bank of Switzerland) – IB , Switzerland | | Technology | : | Oracle 9i, Informatica (ETL Tool), Business Objects 6.5, TOAD, Version Control: IBM Rational Clear Case | | Role | : | Data Analyst | | Project Description /  Key Responsibilities and Achievements | : | **Description:**  UBS is obliged to report orders and trades on a regular basis to the Swiss regulatory body (EBK). This project was to built a data mart by ingesting Compliance specific data from various sources and build Business Objects reports as per rules specified by Regulator (EBK).  In first phase, Data mart design enhanced to integrated Secondary market data. Four main Regulatory Reports were developed and produced to Regulatory using Business Objects 6.5.  The Reports were developed as per the reporting guidelines of Swiss Banking Commission, EBK.  In the 2nd phase , Exchange Traded Derivatives System and Primary Market sources were integrated to EBK Data Mart. 10 new Regulatory Reports were created using Business Objects, The project also included changing the existing ETL interfaces for sending the EBK data to the archival system, LAZAR.  **Contributions:**   * Business Data Analysis * DataMart design * Physical Database Design * Design and Development of Auditing module using Oracle 9i PL/SQL * Development of Informatica ETL mappings, Workflows * Business Objects 6.5 reports design and development |  |  |  |  | | --- | --- | --- | | **Project 14** | | | | Project Name | : | GRM Phase 6 | | Company | : | Wipro Technologies | | Duration | : | Feb 2005 – June 2005 | | Client | : | Wellington Management Company LLP (WMC, USA) | | Technology | : | Oracle8i SQL, PL/SQL, Oracle Reports, Microsoft VSS | | Role | : | Associate Consultant | | Project Description /  Key Responsibilities and Achievements | : | **Description:**  This project sought to assist the development of reporting solutions for the asset management division of WMC, USA. The main task was to develop complex SQL queries and PL/SQL modules to handle the reporting needs of WMC.   * Data Analysis * Prepare queries for reports * Development of Oracle 8i PL/SQL procedures * Designing reporting solutions |  |  | | --- | | Wipro Technologies: Associate Consultant  June 2003 – May 2005  Database design , modeling related consulting to various’ s Wipro’s accounts  TAPMI: T. A. Pai Management Institute, India , One of the top Management Institute in India  Oct 1994 – May 2003  Faculty in IT , Market research and Finance area and IT Consulting for Syndicate Bank and Campco |   **Summary of Other experience** |

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| **Personal details** |
| **Date of Birth: 15-Mar-1972**   |  |  |  |  | | --- | --- | --- | --- | | EDUCATION | | | | | MS  (E-Commerce) | Manipal University  (formerly known as MAHE University) | 2001 | 85.8% - First Rank | | M.Sc. Statistics | Mangalore University | 1994 | First Rank & University Gold Medal | |