## Muthuraman

**Block 142, #05-528, Bishan Street 12, Singapore 570142**

**Home Tel +65 62557824 Mobile / Day Time Tel +65 98773254 e-mail: muthusri@yandex.com**

#### Summary

High-performance professional with an outstanding track record of success in Business Solutioning, Business Analysis, Solutioning [Enterprise Data warehouse(EDW) and Business intelligence(BI)] , Dash board design, Data Visualisation, User Experience(UX), Big Data Analytics, Financial reporting), project management, and to lead software development. Demonstrated ability to lead, manage and deliver results on both strategic and tactical levels, with domain expertise that includes Banking (IB/PB/Corporate), Credit card payment industry, Insurance, supply chain and Transportation. Strengths include:

* Over 15 years of experience in Architecture, Design Solutioning, System analysis, Develop, implementation, review and support BI/EDW solutions using tools such as SAP BOBJ (WEBI and Crystal Reports), Cognos Power play, Cognos Impromptu, Cognos Transformer, Cognos Report and query Studio, MS OLAP Services, MS SSRS, Micro Strategy 6, Oracle Discoverer, Oracle Express, TM1, Tableau and Qlikview. Well experienced in User experience, User Interface and User Navigation.
* Broad-based skills in every aspect of the project life cycle, including requirements gathering, creating work plans, functional requirements and unit testing plans.
* A practiced mentor and advisor able to establish rapport and trust with diverse groups of people at all levels.
* Highly regarded as an analytical problem solver and solutions provider with strong organizational and supervisory skills.
* Very good working knowledge in SDLC, Project Management Institute (PMI) methodology, Rational Unified Process (RUP), Structured Systems Analysis and Design Method (SSADM) and Agile project management (Scrum and Sprint)
* Designed and built highly available AWS clouds for Big Data Analytics application

#### Specialties

Enterprise Data Warehouse, Data Analytics and Business Intelligence

* 10 years of experience in EDW design, Architecture and management in Financial industry.
* 8 years of experience in defining BI strategy and road map
* 4 years of experience in Big data architecture, solutions and technologies (HDFS, Spark, Hadoop eco system). Good experience in Architecture, Design and governance of Data lakes and Reservoir.
* 10 years of experience in Development, design and architecture of Data base technologies [RDBMS (Oracle, DB2, SQL Server), NOSQL(Cassandra, Hbase), File system(HDFS, Universe)]
* 8 years of experience in Data Visualisation (Tableau, Qlik view)
* 10 years of experience in Data Analytics in financial Trends, Pattern, Sensitive, Clustering and Predictive analytics
* More than 10 years of experience in Data integration such as ETL/ELT(Informatica, MS SSIS, SAP Data services) and Data Ingestion (Flume)
* As a Strategist, accessed current BI /DWH systems and strategise "to be" roadmap for next 3 years
* Defining BI User experience & User Interface/Navigation
* Designed and built highly available AWS clouds for Big Data Analytics application

Data Management and Architecture

* Good experience in implementation of Data Governance and framework, Define roles such as Data steward, Data owner, Data Custodian and Data user. Defined accountability of these roles.
* Defined Data Policies, Principles, guidelines and Standards
* 16 years of experience in development of ER(3NF) and Star/Snow flake Data models (Conceptual, Logical and Physical) using tools such ER win, ER studio and Power designer
* Experience in implementation of Meta Data framework using IBM Cognos Framework Manager and SAP Info Steward.
* Experience in defining and measuring Data Quality of enterprise with metrics and improvement plan
* Experience in identifying and defining data domain, subject, Entities, Attributes and Data lineage of source and target.

Management Skills

* Program and Project management of EDW and BI projects in Multiple phases using SDLC and Agile methodology
* Experience in Vendor Management with SLA and Contracts of Offshore, external, Secondment, T&M and Professional services.
* Experience in managing High performance team comprises of Regional, Local, offshore and contract resources
* Experience in managing stakeholders requirements and deliveries.
* Experience in planning, Budgeting and monitoring of Capex and Opex
* Experience in team building and individual team member career development
* Experience in managing Operational issues, change managements, prioritisation of changes, tactical and strategic issues management.

#### Technical Proficiencies

|  |  |
| --- | --- |
| **Methodologies** | CMMI Level 3, BI Agile(Scrum and Sprint), SSADM, RUP and SDLC |
| **Traditional BI** | SAP BOBJ (WEBI and Crystal Reports), MS OLAP Services, MS SSRS, Micro Strategy 6, Cognos Power play, Cognos Impromptu, Cognos Transformer, Cognos Report and query Studio, Oracle Discoverer, Oracle Express and TM1, |
| **Data Visualization** | Tableau, Spot fire and QlikView |
| **Data Management (MDM)** | SAP Net weaver MDM 7.2, SAP(PI), SAP CE(Work flow, BPM and BRM) |
| **Data Integration and ETL** | ESB, MQ, BODI(SAP Data services), Informatica Powercenter and MS DTS/SSIS |
| **Data Modelling** | ERWin, Embarcadero ER Studio and Power Designer |
| **Meta data Tools** | IBM Cognos Framework Manager and SAP Info Steward |
| **Data Profiling & Quality** | Pervasive, Info sphere Info Analyzer, SAP info Steward, Talend studio, |
| **Predictive Analytics** | Mathlab, R and SAS Enterprise Miner. |
| **DWH appliances and RDBMS** | Netezza 6.1, Hana, SQL Server 2005/2008, DB2, Oracle 10g/11i, MYSQL, Sybase 12.5 and Universe 6.0 |
| **Web, Portal, Application servers** | Web sphere 5.x (Network Deployment) with clustering and Oracle 9iAS, WPS 5.2, Oracle Http Server, Tom Cat, IBM Http Servers and IIS. |
| **Quality and Process** | HP Quality center, Foot print and JIRA |
| **EAI tools** | Web sphere ESB and Open text |
| **Big data Analytics** | HDFS, Hadoop eco system(Hbase, Hive, PIG Latin, Hive, Zoo Keeper, YARN, Ambari, Flume), Storm, Spark, Netezza(MapReduce), Cassandra, MongoDB |
| **Platform (Cloud)** | AWS, Azure, HP VPC, Cvent and Salesforce.com |
| **Scheduler & Versioning** | Control M, Autosys, Zoo Keeper, CVM, SubVersion, Clearcase and Microsoft VSS. |

#### Education

* MBA, Heriot-Watt University, UK.
  + Project Management, Finance and Strategic Planning
* B.Sc. Honours (Computer Science), University of Wales, Cardiff, UK.
  + Algorithmic theory and Formal Languages
* Diploma in Chemical process, Instrumentation and Control , Annamalai University
* Diploma in Electronics , VLBJ Polytechnic
* Credit Risk Analytics - Risk Management Institute, NUS
* Data Governance and Security - ISS , NUS
* Certified Enterprise Architecture Practitioner - ISS, NUS

#### Professional Experience

APL Pte Ltd (Formerly NOL Ltd), Singapore 2014 to Current

Enterprise Architect (Data/BI/MDM Architecture & Governance), Enterprise Architecture office

Achievements:

* Play an active role in defining architecture roadmap for BI, EDW, Big Data Analytics(Using Hadoop and Hadoop Eco system in AWS cloud), Data governance and control and DM.
* Business Analysis, Solutioning, Designer, Developed and Delivery(D3) of Data Management projects and setup data framework and hubs
* Business requirement gathering and scoping requirements based n delivery and priorities
* Architect and implemented BI platform with Dashboard using Tableau, Cognos, BOBJ etc.
* Mentoring on Design of User experience for BI systems
* Played role of strategist, Assessed current state and future to be state 3 years roadmap plan for data governance, data management(DM) and framework inclusive of data policies, guidelines and standards
* Assessed current state and prepared roadmap with implementation plan for strategic projects like MDM, EDW, Analytics, Big Data, ETL, Forecast/Planning and BI
* Implemented data quality framework for BI projects.
* Defined Policies and standards for Dashboard, BI reports classification, BI report delivery and Validation
* Set up and help projects and business to adapt Software AG's ARIS, Toolbar and ER-Studio
* Designed and built highly available AWS clouds for Big Data Analytics platform
* Setting up off shore Development centre in India for data projects in BI, MDM, Data Analytics and Big data
* Accessing current application roadmap based on sustainability, scalability and stability for next six years
* Working on POC of Big Data Solution using IOT devices from Vessels and Containers. This is explore and determine maintenance to minimise unexpected down time and to improve efficiency

Prudential Assurance Singapore Pte Ltd, Singapore 2011 to 2013

Head, Data Management Group / AVP

Achievements and Responsibilities:

* Conducted ad-hoc shop with all department to determine business needs of EDW and BI.
* Direct software engineering, quality assurance, and production support teams for BI/ EDW projects..
* Solution and D3 of green house strategic projects such as Enterprise Data Warehouse, BI, Claims Analytics, Customer value management, Data mining & insight, Core system (Life Asia and Group Asia) integration, Corporate Dashboard for CEO, Marketing, Sales, Finance, Claims, New business and Actuary.
* Served as a member of the senior management team, responsible for setting up and implementing company’s development and transformation plans.
* Establish and implement policies and procedures to comply with MAS regulations and Solvency.
* Implemented Software AG ARIS enterprise architecture platform and standardise modules
* Access current BI systems and prepared "to Be" next 5 years technology roadmap
* Defined and refined current processes such as BPM, workflows and STP. Automation of SM KPI dashboard
* Organized JAD / workshop sessions with the business users to gather and analyse the business requirements for tactical and strategic needs.
* Developed IT strategy and plan based on review of Strategic and Tactical Goals and align with the Technology Projects and Goals, staff feedback and understanding current IT system
* Architected EDW inclusive of logical data marts (Marketing, Finance and Distribution), Customer Analytics, Insurance business products analytics like new business, funds and investment analytics, Claims analytics, Data Insight and mining, Opportunity Vs misses analysis, Mortality analysis etc.
* Worked in Core system(Life Asia and Group Asia) for Policy administration, new business & under writing (STP and RBP), Reduce Issue cycle through process streamline ,Claims, Pay out and Annuity
* Worked with Finance on interface for sub ledger posting and GL posting, recon report, Budget and tracking, Collections (New business, regular premiums), Claims etc.
* Played Advisory role to senior management on Data management and architecture initiatives.
* Manage, Mentor and lead a team of experts such as Junior Architects/Developers on Data modelling (Logical and Physical), BI, Data Analytics and ETL for Enterprise data warehouse.
* Implementation of data governance, data management, data policies and standards and Data quality framework
* Setup enterprise architecture repository tools such as ER Studio and Power designer
* Data governance in terms of area of stewardship, user reference code, data inter-dependencies, to reduce of data redundancy. Implemented single meta data(SAP info steward)
* Design and Implemented Integration architecture framework using ESB, SOA, MQ and BPM Workflow

Barclays Capital, Singapore 2010 to 2011

Assistant Vice President (Investment banking and Regulatory)

Achievements and Responsibilities:

* Solution. designed and developed project on regulatory reporting(IFRS and US GAAP) and Dash board for Risks(MR, CR, OR), PD, LGD, AUM etc.
* Guide and train team comprises of developers, architects and business Analysts.
* Solution and designed Scalable BI architecture at regional level for Prime brokerage business.
* Implemented data quality framework with reconciliation engine to reconcile data from different source systems. Corrective and preventive action based data quality matrices.
* Design and implemented data integration and data warehouse project for Prime brokerage including customer analytics, P&L analytics and Regulatory reporting for market and credit risk.
* Set up Data governance and compliance reporting and monitoring
* Involved in all stages of SDLC, Agile and RAD methodologies.

Credit-Suisse, Private and Investment Bank, Singapore 2006 to 2010

Assistant Vice President (Private Bank, Regulatory and Private equity)

Achievements and Responsibilities:

* Played an advisory role to senior management for DWH and BI projects for Private banking and Regulatory.
* Project management in terms of resources, time and budget. Managed and tracked development cycles and Book of work. Work with QA to ensure the releases as per CMMI level 3.
* Data Classification and Defined Data standards, Data Steward/Owner ship and Data life cycle as per Business needs and regulatory needs.
* Solution designer,D3 and Architect of end to end of International Data warehouse project start from Source systems to Data warehouse systems inclusive of ETL, Data Storage, Analytics, Presentation and Reports. Design, Review and validate of Data Model for OLTP and DWH systems
* Conceptual, Logical and Physical Data model for DWH(ER Model) and Data mart (Dimensional Model).
* Designed Data Quality engine to measure the correctness , effectiveness and accuracy of data
* Architect and Develop data model for Regulatory reporting (IFRS and US GAAP).

VISA International, Credit Card Service provider, Singapore 2004 to 2006

Database, DWH and BI Specialist (PM and Tech Lead roles)

Achievements and Responsibilities:

* Managed and Supervised of Application developers and DBA’s to implement successfully Web sphere application, Web sphere portal, Data Warehouse solution and Databases.
* Established Data management standards. Developed Application architecture & standards, database policies, SQL coding standards and WAS 5.2 standards and policies.
* Design and Architected Enterprise Database and Data Warehouse for fraud detection of Common purchase points, Customer spending analysis, patterns etc. Designed of Extraction and Transformation of data using tools like SQL DTS, PL/SQL etc.
* Created full-attributed enterprise data model and enterprise data architecture for VISA’s risk Data mart.
* Implemented Single sign on (SSO) module for extranet projects using Site minder.
* Perform data profiling and data analysis to determine suitable data architecture
* System security assessment in terms of data security, database security, System hardening, encrypted data storage/transmission, PKI implementation, auditing, vulnerability assessment etc.
* Created full-attributed enterprise data model and enterprise data architecture for VISA’s point of risk Data mart.

Land Transport Authority, Singapore 2001 to 2004

Project Leader in the role of PM

Achievements and Responsibilities:

* Defined data management policies and to establish data management standards
* Vendor management and project management and to ensure that projects were developed as per LTA methodologies(SDLC and Agile)s and standards within budget and deliver on time..
* Managed team of developers and DBA’s (Oracle and DB2) to ensure DWH project delivery on time.
* Designed, architected and Implemented High Availability database solutions, Meta data framework, Data warehouse / Data mart solutions, BI solutions and ETL solutions (OWB and Informatica)

NCS Private Ltd, System Integrator, Singapore 1999 to 2001

Project Manager in Financial Service industry for banking

Achievements and Responsibilities:

* Client Advisory and management. Developed system to give a holistic view of client needs and values
* Project management for Citibank data warehouse projects (Team size of 20) and delivered COTS phase1.
* Design data warehouse for Credit risk, Market risk and Operational risk analytics and reporting
* Designed and provide solutions for Database, Data Warehouse, Data marts and Data Models for Business Intelligence Projects.

Tech Pacific (S) Pte Ltd (Take over by Ingram Macro), Singapore 1996 to 1999

Technical Manager in the role of Regional MIS Team

Achievements and Responsibilities:

* Regional Software Support. Managed project teams inclusive of DBA and Application developers.
* Developed Data warehouse and Business Intelligence systems across region.

#### Professional Membership

* Member of APJ EIM Strategic Customer Advisory Council for SAP
* TOGAF

#### Personal Details

* Nationality - Singaporean