**M Sathiyaseelan**

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### Profile Summary:

* Over 8 years of IT experience with specialization in Data Warehousing & ETL Designing and extensive experience in implementing Full Life cycle Data Warehousing Projects.
* Extensive experience in Designing and Developing ETL jobs using Informatica / SAP Business objects data services / SSIS / SAS / Pentaho Business Analytics / Talend Open Studio.
* Experience in developing customized data pipelines and data quality operations using Informatica Data Quality (IDQ), SAP BODS and Python scripts.
* Experience in developing data service operations (Data Profiles, Data quality checks, Scorecards, Business Rules and Data Validations).
* Experience in developing metadata models, catalogs, resources and data lineages from various application metrics using Informatica Metadata Manager.
* Experience in utilizing big data technologies like MapReduce, HDFS, Hive, Pig.
* Developed a python based framework to ingest and capture metrics for different applications.
* Developed a framework in SPARK (Scala) to validate the quality of the inbound data from heterogeneous sources and create data pipelines.
* Expertise in Data Modeling, Designing of Logical and Physical data marts.
* Experienced in designing and writing on-demand Unix Shell/Perl/Python scripts.
* Knowledge in creating reports and visualizations using Tableau, Microsoft Excel, JavaScript libraries (Chart js, Google Charts).
* Experience in designing and developing user interfaces (HTML5, Bootstrap, Java script) and back end integration using Java server pages (JSP) and PHP.
* Experienced with Batch systems scheduling and processing.
* Quick problem-solver, strong analytical, coding, debugging skills. A quick learner, team player and an individual contributor.
* Experience in Testing, Documentation, End-Users Training and Knowledge Transfer.
* Hands on experience in Software Development Life Cycle.

### Technical Expertise:

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| **Platforms** | Windows, Unix, Linux |
| **Programming Languages** | Java, C#, VBA, PHP. |
| **Scripting Languages** | Shell, Python, Perl. |
| **Databases** | **Oracle, Netezza, SQL Server, MySQL, PostgreSQL, Elastic Search** |
| **Tools** | **Informatica Powercenter 8.6/9.6.1, Informatica Data Quality (IDQ), Informatica Metadata Manager, Informatica Business Glossary, Informatica Data Validation Option, SAP Business objects data services 4.3, SAS Studio, Talend 6.3.1, Pentaho BI Suite 6.0, Tableau 10.2, BMC Control-M, Autosys , Crontab.** |
| **Big Data** | **Hadoop HDFS, MapReduce, Hive, Pig, SPARK, Scala** |
| **Business Domains** | Banking & Finance |

### Project Experiences:

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| **Application: IDCS (Inbound data cleansing services)** | |  |
| **Customer:** Fidelity Investments | |  |
| **Environment:** Windows, Linux. | | **Team Size**: 10 |
| **Technologies used**: Informatica Powercenter 9.6.1, Informatica Data Quality, Informatica Metadata manager, Python, Shell Script, Hadoop, SPARK, Scala, Oracle 11g. | | **Duration:** Apr’15—till date |
| **Description** | This project involves designing and maintenance of the data quality framework and data pipelines using Big data and ETL technologies. | |
| **Responsibilities** | As an data quality analyst, the responsibilities includes the following:   * Involved in Data Modeling, Data Analysis, Design and Development for Data quality and ETL processes. * Created data quality profiles, rules, scorecards, Business validations, data standardization, capturing metrics using Informatica Data quality and Python Scripts on top of the inbound data from various source systems to make sure the quality of the data is good enough. * Extensively used Python scripts to create a framework to adopt the data quality features and data injection pipelines. * Designed and developed complex data pipelines in Informatica and load the data into HDFS. * Developed components in SPARK (Scala) to capture record level and field level exceptions in heterogeneous sources. * Developed metadata models and creating lineages based on the metrics for the users to back track their process easily. * Developed reusable data quality reports for the end users to analyze the quality of their data and making decisions based on the report. * Developed visualization reports using Tableau for the business users to see the metrics of data processed and its quality in a real time basis. * Supporting the production environment to ensure the process is smooth. | |

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| **Application: Intuito –Data Quality Framework** | |  |
| **Customer:** BTG – Solutions (Prospect: JPMC,PSCU) | |  |
| **Environment:** Windows, Linux. | | **Team Size**: 6 |
| **Tools used**: Informatica 9.5, SAP BODS 11.2, SAS Data Integration Studio, Talend 5.4, Pentaho 5.1, Oracle 11g, Shell Script, Perl Script. | | **Duration:** Jul’13-- Mar’15 |
| **Description** | This project involves the development of new control framework which can be used for different banking clients to support their new projects. This framework consists its own repository (Server Side) which can be accessed from a Web Based UI (Client Side) to configure the metadata for their respective projects. A utility is developed in Perl to access the metadata and process the needs like preprocessing feeds (File watcher, Rule validations) from different sources, Invoking the ETL jobs (Informatica, SAP BODS, SAS, Talend, Pentaho, Datastage, Custom) and Post processing feeds (File Archival, Data Purging, etc) | |
| **Responsibilities** | As an developer, the responsibilities included following:   * Prepared Low Level Design documents as per standards. * Designed Data Models to incorporate various features for the framework. * Initially the framework was developed in Unix shell scripts and later we started developing in Perl to support multiplatform feature. * Extensively used shell and Perl scripts to support pre-process, ETL process, post process and custom process. * Designed and developed jobs in different ETL tools like Informatica, SAP BODS, Talend, and Pentaho that can be invoked via the control framework. * Developed reusable components in ETL tools to capture record level and field level exceptions in feeds. * Designed script to support mainframe feeds with single and multi-layout structure. * Developed a function for EBCDIC to ASCII conversion and processing the mainframe feeds. * Creation and execution of the Unit Test Plan. * Carrying out Requirement study and impact analysis. | |

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| **Customer:** BTG – Solutions (Prospect: UBC) | |  |
| **Environment:** Windows. | | **Team Size**: 6 |
| **Tools used**: Informatica 9.5, Informatica Data Quality (IDQ), Oracle, Shell Script. | | **Duration:** Oct’12--Jan’13 |
| **Description** | This Project involves designing informatica mappings, profiles and data quality jobs using IDQ. Basically developed a framework to access the profile metadata of each elements from the informatica IDQ repository and transformed the data to identify the quality of the incoming data. This framework can be used to check whether the source data elements met the standards as defined in the IDQ profiles. | |
| **Responsibilities** | As an developer, the responsibilities included following:   * Designed Informatica mappings using various transformation such as web services consumer, Lookups, Aggregator, Ranking, Mapplets, SQL overrides, Update Overrides, etc. * Designed Informatica data quality mappings, data profiling, Data cleansing, Data standardization to make sure the source data is well transformed. * Developed shell scripts to automate the framework. | |

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| **MS MDM Dealer** | |  |
| **Customer:** BTG – Solutions (Prospect: Santander) | |  |
| **Environment:** Windows. | | **Team Size**: 6 |
| **Tools used**: MS Master Data management, Visual Studio 2010 | | **Duration:** Oct’12--Jan’13 |
| **Description** | This POC involves development of the combined services using the features and packages provided by MS MDM. A standalone data model and user interface has been developed for various MDM entities. | |
| **Responsibilities** | As an developer, the responsibilities included following:   * Developed around 30 services in MS MDM. Integrated our Services with our own user interface to get 360 degree view of dealer. Created Entities in MDM Server as per Data Model Created various types of hierarchies in MS MDM. Done Matching Process using excel-add in for MDS. Done Data Quality Cleansing and Matching using DQS Client. | |

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| **MISER Integration** | |  |
| **Customer:** Silicon Valley Bank | |  |
| **Environment:** Windows | | **Team Size**: 6 |
| **Tools used**: SAP BODS 11.2, Oracle 10g | | **Duration:** May’12--Sep’12 |
| **Description** | This project involves the integration of the new source system MISER to the existing framework of the project. | |
| **Responsibilities** | As an ETL developer, the responsibilities included following:   * Prepared Low Level Design documents as per standards. * Extensively used SAP BODS Jobs, Workflows and Data flows for loading the data from various source like database tables, flat files, web services, etc. * Creation and execution of the Unit Test Plan. * Conducted peer review for Code and mappings. * Carrying out Requirement study and impact analysis. | |

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| **ETL Migration.** | |  |
| **Customer:** PSCU Financial Services | |  |
| **Environment:** Windows | | **Team Size**: 2 |
| **Tools used**: SAP BODS 11.2, Informatica 9.1, Oracle 10g. | | **Duration:** Sep’11--Apr’12 |
| **Description** | This project involves the migration of the existing ETL jobs in SAP BODS to Informatica powercenter jobs. | |
| **Responsibilities** | As an developer, the responsibilities included following:   * Prepared Low Level Design documents as per standards. * Extensively used SAP BODS Jobs and Dataflows for loading the data from source like oracle tables, flat files. * Developed SAP BODS Dataflows using various transformations. * Understanding the functionalities of existing BODS jobs and developing the same using informatica 9.1 and testing the jobs for identifying major bottlenecks. * Creation and execution of the Unit Test Plan. * Conducted peer review for Code and mappings. * Carrying out Requirement study and impact analysis. | |

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| **Global Data Hub (GDH)** | |  |
| **Environment:** Windows, UNIX | | **Team Size**: 10 |
| **Tools used**: Informatica 8.6, Oracle 10g, Shell Scripts. | | **Duration:** Mar’09--Jul’11 |
| **Description** | This project involves the creation of a Data Warehouse for a banking client. Client has its own system to processes different source data on day-to-day and monthly basis and the ability to generate reports. Finance Company expertise in developing detailed strategies in the critical areas of portfolios, security, holdings, Fixed rate, risk management, investing and planning. The data warehousing (basically it includes different data marts as it covers different domains of the business) captures data from their Transactional database maintained under client/server Architecture. | |
| **Responsibilities** | As an developer, the responsibilities included following:   * Requirements Analysis: Study and analysis of mapping documents indicating the source tables, columns, data types, transformations required, business rules to be applied, target tables, columns and data types. * Prepared Low Level Design documents as per standards. * Extensively used Informatica ETL Mappings and sessions for loading the data from source like oracle tables, flat files. * Developed Informatica Mappings using various transformations. * Created sessions, database connections and workflow using Informatica. * Create and manage Mapplets and Reusable Transformation Development. * Created and scheduled the Control-M jobs to automate the entire framework. * Analysis of certain existing mappings, which were producing errors and modifying them to produce correct results. * Creation and execution of the Unit Test Plan. * Conducted peer review for Code and mappings. * Carrying out Requirement study and impact analysis. | |

### Educational Background:

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| **Academics** | **School/College** | **Board / University** | **Year** |
| B.E | College of Engineering, Chennai | Anna University | 2008 |
| I.Sc. (XII) | Dolphin Matric Hr Sec School, Madurai. | Matric | 2004 |
| HSC (X) | St.Thomas Matric Hr Sec School, Madurai. | Matric | 2002 |

**Industry Experience:**

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| Organization | Location | Designation | Tenure |
| **Tata Consultancy Services** | **Chennai** | I.T Analyst | Sep 2011 – Till Date |
| **Wipro Technologies Ltd.** | **Bangalore** | Software Engineer | Jan 2009 – Jul 2011 |

I hereby declare that all the above statements are true to the best of my knowledge.

**Place**: Chennai **Signature**

**Date**: (Sathiyaseelan M)