**SunilKumar Koneru**

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512-596-6669

**SUMMARY:**

* Passionate Information Technology consultant with involvement in every phase of Software development LifeCycle from Requirements Gathering, Designing, Development, Testing, Implementation and Production Support.
* Has more than 9 years of IT experience and at about 7 years of Real world experience in Data Warehousing with Data Modelling, ETL, Data Administration, SAP Business Warehouse and Business Intelligence Tools (SAP Business Objects, Tableau and MSBI).
* Developed Merge jobs in Python to extract and load data into MSSQL and MySQL databases.
* Migrated in-house SQL server data to AWS EC2 environment.
* Configured all existing reports connections to AWS upon migration.
* Proficient in Data Analysis with sound knowledge in extraction of data from various database sources like MySQL, MSSQL, Oracle and other database systems.
* Extensively knowledgable and used Tableau Concepts like Joins and Data Blending in various scenarios.
* Used SQL queries to validate different data warehouse environments, identify data quality issues, create test cases, test plans, test procedures and test matrices.
* Tremendously involved in Setting up Tableau Data Extracts for Bulk Data Reports. Combining Data Extracts and Scheduling Data Extracts Refreshes (Full and Incremental) to circumvent Live Connection when needed.
* Responsible for writing SQL Queries, Dynamic-queries, sub-queries and complex joins for generating Complex Stored Procedures, User-defined Functions and Views.
* Hands on experience with Tableau Filter Hierarchy especially using Data Source Filters, Context Filters to fine tune dashboards.
* Apart from Relational Data Sources, Experience at using CUBE data sources with Tableau.
* Involve Good Experience at creating User Groups, Assigning User Permissions and Sharing Dashboards/reports over Tableau Online/Server to target User Groups.
* Experience in designing and developing canned/ad hoc/Analytical Reports with multiple parameter fields, multiple expressions, scheduling the processes and administering the Business Objects activities.
* Experience in developing reports from multiple sources with functionalities like slice & dice, drill down, Ranking, and Data Tracking in Web Intelligence.
* Extensive experience on integrating reports with department portals using Open Document Concepts for easy accessibility.
* Hands on experience in developing Business Objects reports out of SAP BW, Microsoft SQL Server, MySQL etc.
* Experience in troubleshooting the Performance and Stability issues in Business Objects environment.
* Hands on experience working with ETL tools - Talend Open Studio, IBM Data Stage and SSIS.
* Experience in translating legacy scripts code to python scripts.
* Experienced in working with Business Managers, Architects, End users and all the stake holders in documenting requirements, providing estimates, creating High and Detail Level design specifications.
* Experienced in Onsite - Offshore model, coordinated the deliverables and other activities.
* Quick learner, easily adoptable with stronger desire to master new technologies.
* Working Knowledge on AWS services like S3, EC2.

**TECHNICAL SKILLS:**

**Databases :** Microsoft SQL Server 2012/2008-R2/2008/2005, OLAP, OLTP, Oracle 11g/12g, SAP BW, MySQL, Microsoft Access

**Programming Languages :** Java, C#, SQL, R, Python

**ETL Tools :** Talend Design Studio, IBM Data Stage, SQL Server Integration Services (SSIS)

**BI Tools :** Tableau Desktop 7/8/9, Tableau Server 7/8/9, Tableau Public, Tableau Reader, SAP Business Objects, SQL Server Reporting Services (SSRS)

**Other Tools :** Microsoft Office (MS Word/ Excel/PowerPoint), Microsoft Office Visio, Microsoft Project, Sharepoint

**Operationg Systems :** Windows 2008/2008-R2/2012/2012 – R2, Windows Vista, Windows 7, Windows 8, Windows 10, Unix.

**EDUCATION:**

Masters in Business Analytics [Texas A&M University - Commerce]

PG Diploma in System Analysis [National University of Singapore]

Bachelors of Technology in Computer Science [Jawaharlal Nehru Technological University]

**CERTIFICATION/ AWARDS:**

**SunEdison Products Singapore PTE. LTD.**

* Received an Appreciation award in recognition of achieving results focused on the company value “OWN IT” and “TOGETHER WE WIN”.
* Received an Appreciation award in recognition of achieving results focused on the company value “THINK POSITIVE”.
* Certified Green Belt in Operational Excellence.
* Certified in PMO 101 at SunEdison for successfully completed

**Silicon Laboratories International PTE. LTD.**

* Accredited for presenting the workaround to integrate operational Business Intelligence reports into sharepoint portal without procuring the SharePoint integrator tool license.

**PROFESSIONAL EXPERIENCE:**

**CAG/Texas A&M University – Commerce, TX June 2017 – Dec 2017**

**Application Developer**

Columbia Advisory Group (CAG) is an IT consulting firm that has been collaborated with Texas A&M university-commerce to implement, maintain and support higher education applications for the university.

**Responsibilities:**

* Involved in requirement gathering, gap analysis and evaluating the tools based on university requirements.
* Involved in multiple end to end implementation of university applications such as Online course evaluation and Accessible Information Management (SDRS).
* Designed and developed the atomic UC4 job process of pushing the data extracts to vendor’s cloud(AWS) based application from university SIS(Banner) system.
* Worked along with Infrastructure team to design to process flow to transmit confidential data securely from In-house system to **AWS** EC2 environment.
* Extracted large volumes of data feed from different data sources, performed transformations and loaded the data into various Target systems.
* Extracted and loaded data using **Python scripts** and **SQL** packages.
* Heavily used python scripts to process and cleanse the data.
* Wrote python scripts to parse XML documents and load the data in database.
* Performed Data Analysis and Data validation by writing complex SQL queries against the ORACLE database.
* Performed unit testing at various levels of the ETL process and actively involved in code reviews.
* Assisted Academic affairs team on various scenarios by developing complex SQL queries and also identifying gaps of instructors, adjuct instructor details in SIS(Banner) system.
* Created numerous dashboards in Tableau desktop based on the data collected from SIS(Banner) system by importing and blending data from various other cloud applications along with Oracle databases.
* Created crosstab’s to display underlying data based on various graphs and charts created for further data analysis.
* Developed and reviewed SQL queries with the use of joins clauses in tableau desktop to validate static and dynamic data for data validation.
* Developed Tableau visualizations to support ad-hoc analyses and interacted with Business users in understanding their requirements.

**Bank of America, Dallas, TX Jan 2017 – May 2017**

**Data Analyst**

**Responsibilities:**

* Developed Ad-hoc reports using Tableau Desktop. Used excel sheet, flat files, CSV files to generated Tableau adhoc reports.
* Working with business users in gathering, analyzing, documenting requirements and translate them into KPI's and metrics for reporting.
* Worked with the Credit and Data Analytics Team (Data, Reporting, Credit Risk) to solve and analyze business problems.
* Wrote **Python** scripts to parse XML documents and load the data in database.
* Used **Python** to extract weekly information from XML files.
* Developed **Python** scripts to clean the raw data.
* Performed Data Analysis using SQL and Excel skills, to profile data to identify data quality issues analyze for accuracy, to extract specific information, Data Testing and Data flows and creating appropriate Dashboards.
* Built Tableau visualizations by connecting to various Data Sources Relational Databases (Oracle, SQL Server) hosted on **AWS** environment.
* Designed and Optimized Data Connections, Data Extracts, Schedules for Background Tasks and Incremental Refresh for the weekly and monthly dashboard reports on **Tableau** Server.
* Designed and developed several tableau reports using data extract with incremental refresh to reduce data traffic out of data sources hosted on **AWS**.
* Developed interactiveTrends Dashboards regarding Job Trends for Senior Management. Using Visualizations like Dual Axis Bar Graphs, Donut Charts and Heat Maps.
* Collaborated with functional teams to ensure effective testing and minimal issues post implementation.

**SunEdison Products Singapore Pte. Ltd Jul 2014 – Mar 2016**

**Technical/ IT Business Analyst**

SunEdison Products Singapore Pte. Ltd is a global leader in the manufacturing and sale of wafers and related intermediate products to the semiconductor and solar industries. SunEdison has been a pioneer in the design and development of wafer technologies over the past four decades. With R&D and manufacturing facilities in the U.S., Europe and Asia, SunEdison enables the next generation of high performance semiconductor devices and solar cells.

**Responsibilities:**

* Involved in end to end implementation of the Applications, working directly with users to gather and document their business requirements to implement those requirements.
* Working along with the client team and Vendors/Contract Manufacturer’s to understand and taking forward the solution approach and design to development and execution phase.
* Designed, modeled and implemented Data Warehouse, Data Mart and reporting layout in order to cut down the actual process time performed by operational users.
* Developed ETL(SSIS, Talend, DataStage) scripts to enable weekly/daily processing of data sets into data warehouse.
* Developed, documented and validated complex business rules vital for data transformation.
* Managed the development and execution of test plans, and effected corrective action on data quality issues.
* Improved encounter data quality by up to ninety-percent on most measures as defined by Business Reporting unit.
* Worked on SQL Server installation & configuration of multiple nodes on **AWS EC2** system.
* Designed a process to load data into **AWS** SQL environment in a timely manner.
* Developed Tableau visualizations to support ad-hoc analyses connecting to data source hosted in **AWS EC2** system and interacted with Business users in understanding their requirements.
* Building, publishing customized interactive reports and dashboards, report scheduling using Tableau server.
* Designed and developed various analytical reports from multiple data sources by blending data on a single worksheet in Tableau Desktop.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Worked in creating different Visualizations in Tableau using Bar charts, Line charts, Pie charts, Maps, Scatter Plot charts, Heat maps and Table reports.
* Sharing and Publishing Tableau Dashboards over Tableau Server. Scheduling Data refreshes of the Published Dashboards/reports.
* Fine-tuned SQL Queries for maximum efficiency and performance.

**Silicon Laboratories International Pte. Ltd Aug 2010 – Jun 2014**

**Business Data Analyst**

* Silicon Laboratories International Pte. Ltd. is a leading provider of silicon, software and system solutions for the Internet of Things, Internet infrastructure, industrial automation, consumer and automotive markets. The company was founded in 2004 and is based in Singapore. Silicon Laboratories International Pte. Ltd. operates as a subsidiary of Silicon Laboratories, Inc.

**Responsibilities:**

* Interact with business to gather requirements, prioritize work, develop enhancements to the existing system, coordinate testing, and perform change management/training for Business Objects Reporting and other applications.
* Involved in requirement gathering and preparing functional specification documents.
* Involved in designing the data model in SAP Business Warehouse 7.0 and Microsoft SQL Server.
* Involved in defining the data fields, developing and extraction process from SAP ERP system and Adexa planning system.
* Worked in creating and maintaining Multi Provider, Info cubes, Data Stores, Info Objects, Info Area, Info Sources, Transformations, Report Designer and DTP.
* Designed the Queries using Structures, Cells, Variables, Static & Dynamic Filters, Restricted and Calculated Key Figures in Query Designer.
* Extensively used Functions, Formulas, Variables, Prompts, Input Controls and Alerter in Web Intelligence reports.
* Extensively worked on ‘OpenDocument’ feature to provide navigation from master to detail Business Objects reports by passing parameters to variables.
* Formatted web intelligence (Webi) reports and scheduled them to push out an email of the report to external users in excel format.
* Recommends ways to better use system functionality.
* Prepares comprehensive and effective technical documentation including specifications, test conditions, test pans, and test data.
* Provides technical support to end users on matters related to the DW/BOBJ reporting tools.
* Provide on-call support and resolve production issues all scheduled batch cycle runs and any other support.

**Silicon Laboratories International Pte. Ltd Feb 2010 - Jun 2010**

**Intern**

* Involved in requirements gathering and designing the Business Intelligence reports for Operational team.
* Developed several operational reports on SAP Business Objects as a part of initial proof of concepts.
* Involved in requirement gathering and preparing functional specification documents.
* Designed the architecture of web platform and database for the application.
* Developed the J2EE application with functions like sorting, wildcard search, filters etc., as per the user requirement.
* Prepared test scripts and conducted Unit Acceptance Test.
* Conducted end user training and documented User manual.
* Published and configured the application in production server.
* Involved in Production support.

**ByteAlpha Solutions Feb 2008 – April 2009**

**Intern**

* Involved in requirement gathering and preparing functional specification documents.
* Designed the architecture of web platform and database for the application.
* Involved in designing the System Design Phases, Database design for the Knowledge management application.
* Involved in evaluating the requirements for system specifications.
* Desingned and Developed the .net application with functions like Uploading documents, Export documents reports to PDF/Excel, rating etc., as per the user requirement.
* Developed test scenario’s and conducted User Acceptance Test.
* Worked along with team move the application to production environment.
* Involved in Production support and enhancement requests.