**NETHRANAND MEDI**

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**CAREER OBJECTIVE:** Seeking a challenging position that will enhance my software developing and programming skills in a distinct, stimulating work environment, and willing to learn modern technologies.

**PROFESSIONAL SUMMARY:**

* Over 4 years of experience in the Analysis, Design, Development, Implementing and Testing Client/server application using Microsoft SQL Server and BI suite.
* Experience in Customizing and Configuring Microsoft Dynamics CRM 2016, 2015.
* Strong background in a disciplined Software Development Life Cycle (SDLC) process involving Systems Analysis, Design, Development and Implementation and working knowledge in Agile/Scrum Environment
* Worked on customizing entities, views, charts & dashboards. Understanding of customizing CRM-UI with Sitemap
* Experience in implementing Change Data Capture (CDC) for Incremental Data and slowly growing target for data warehouses.
* Proficient in writing **complex T-Sql queries**.
* Experience in designing SSIS Packages to extract data from various heterogeneous data sources such as Access database, Excel spreadsheet and flat files into SQL Server for further **Data Analysis** and Reporting by using **multiple transformations** provided by SSIS.
* Good hands-on working experience with using all kinds of **SQL Server Constraints** (Primary Keys, Foreign Keys, Defaults, Checks, and Unique)
* Experience in designing, developing, and delivering business intelligence solutions using **SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS).**
* Experience in using ETL methodology for performing **Data Migration, Extraction, Transformation and Loading** using SSIS and designed data conversions from wide variety of source system
* Good understanding of **SSRS** with Report authoring, created daily, weekly and monthly reports as per requirement using SSRS.
* Experience in publishing Power BI Desktop reports created in Report view to the Power BI service.
* Experience in managing and automating control flow, data flow, events and logging programmatically using Microsoft .NET framework for SSIS packages.
* Working experience on different bug tracking tools like JIRA, TFS.

**SKILL SET:**

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| **SQL Server Tools** | SQL Server Management Studio, SQL Server Business Intelligence Development Studio. |
| **Data Modelling Tools** | Ervin, MS Visio, Info Sphere |
| **Programming Languages** | C, C++, JAVA, SQL, .NET, C# |
| **Operating Systems** | Windows Server 2003, Windows 2000 advanced Server, Windows NT/95/XP, and UNIX. |
| **Databases** | MS SQL Server 2008/2005/2000, MS Access 97/2000 |
| **ETL Tools** | Data Transformation Services, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS) |
| **Scripting** | HTML, DHTML, XML, CSS, JAVASCRIPT |
| **Reporting Tools** | SSRS, Crystal Reports |
| **Testing Framework** | Testing Tools Selenium IDE, Selenium WebDriver, Selenium Grid, Junit |
| **Application Packages** | MS Outlook |

**EDUCATION:**

**Master of Science in Computer Science**

Hood College, Frederick, Maryland

Jan 2016-May 2017

GPA: 3.2

**Bachelor of Science in Aeronautical Engineering**

Jawaharlal Nehru Technological University, Anantapur, India

May 2015

GPA: 3.7

**PROFESSIONAL EXPERIENCE:**

Microsoft, Redmond, WA Feb 2018 to present

Role: MSBI Developer

Responsibilities:

* Creation of database objects like tables, views, stored procedures, functions, packages, DB triggers, Indexes.
* Involve in creating, modifying and troubleshooting SSIS packages.
* Extensively used various SSIS objects such as Control Flow Components, Dataflow Components, Connection managers, Logging and Configuration Files.
* Created various ad-hoc SQL queries for customer reports, executive management reports and types of report types like tables, matrix and sub reports.
* Experience with Scope scripting optimizations to improve performance of cosmos job.
* Strong experience with Microsoft SQL Servers programming and optimization, advanced knowledge of cosmos/Scope script
* Worked on Dimensional modeling to Design and develop STAR Schemas and Dimension Tables
* Analyze and design high-level Current Scope scripts across the board.
* Design and implement solution to migrate to U-SQL from Scope.
* Involved in development of Azure Data Factory Pipelines, linked services, data sets, deploy and monitor them
* Scheduling/enabling triggers for the ADF Pipelines developed.
* Wrote complex stored procedures, functions, and triggers to implement business logics in the OLTP database.
* Wrote several SQL Scripts such as finding long running queries, blocking sessions, archiving data from production to archive server and populating reporting data.

Environment: MS SQL Server 2017, SQL Server Business Intelligence Development Studio, MS Azure, SQL Server Data tools, .Net, Jira, Microsoft Access, MS Excel, Azure data factory V1 and V2, PowerBI, Cosmos, Scope

Global Justice Solutions, Reston, VA Mar 2017 to Jan 2018

Role: MSBI Developer

Responsibilities:

* Designed, developed and tested **ETL (Extract, Transformation and Load)** strategy to populate the data from various source systems feeds using SSIS.
* Developed complex SSIS packages like Decompress JSON files and convert it to xml file and load it to staging table from SFTP server, loading PayPal, real time floating exchange rate packages using Web Services task, Execute Package task etc.
* Responsible for requirements gathering, analysis, project planning, and resolving.
* Customized MS Dynamics CRM 2016 application based on the business requirements.
* Created Organizations, Business units, Teams and their relationships.
* Proficiency in Performance Tuning, Query Optimization, Client/Server connectivity, and Database Consistency Checks using DBCC Utilities, DMVs and DMFs.
* Integrated CRM with SharePoint to maintain customer's documents.
* Extracted, Transformed and Loaded OLTP data into the Staging area and Data Warehouse using SSIS and complex transformations(Lookup, Aggregate, conditional split, union)
* Deployed reports and **Power BI dashboards** on the reports/SharePoint server; scheduled deployments **with subscriptions**.
* Extensively used various SSIS objects such as Control Flow Components, Dataflow Components, Connection managers, Logging and Configuration Files.
* Wrote T-SQL scripts that were used to validate the sourced data, including **XML** on multiple parameters as specified by the business rules
* Worked on supporting the Microsoft Dynamics CRM 2016 production environment and resolving the issues for CRM production environment.

• Created basic reports using CSV files as source to fetch the data in Power BI

* Wrote CTEs, ranked functions to remove duplicate records on OLTP tables.
* Wrote complex stored procedures, functions, and triggers to implement business logics in the OLTP database.
* Used **Package Configurations** to make use of same SSIS package in Dev/Testing/Prod Environments.
* Created various types of SSRS reports like **drill down, drill through, sub reports, Nested Chart reports** and create report parameters included single valued parameters, multi-value parameters.
* Resolved the tickets within the SLA.

Environment: SQL Server 2014/2012/2008R2, Microsoft Access, Microsoft SQL Server Integration Services (SSIS) 2014/2012/ 2008R2, Microsoft SQL Server Reporting Services (SSRS) 2014/2012/ 2008R2, Microsoft SQL Server Analysis Services (SSAS) 2014/2012/ 2008R2, TFS, MS Azure, MS Dynamics CRM

Vijetha Technologies Inc, Hyderabad, India Jan 2013 to Jul 2015

Role: MSBI/SQL Developer

**Project Description:** Revenue and financial details project is developed to cater the needs of Revenue department of Andhra Pradesh. Here all the details of every family in a District/Mandal/Village/Panchayat are collected and maintained in a Database to assess the families/family members with/without ration card, voter ID, Insurance, NREGA, Pension.

Responsibilities:

* Gathered requirements and created requirement specification documents for all reports.
* Developed documentation to reflect current design ETL processes.
* Analysis of user requirements and reporting dataset needs and create Dimensional Model to create Logical and Physical Database Design using Star Schema Methodology. (Dimensions/Fact Table Design).
* Worked closely with Business Users in identifying the gaps between existing code and the business requirements in the ETL projects.
* Involved in creating, modifying and troubleshooting SSIS packages.
* Developed various T-SQL scripts for transaction processing of Sales, Credit and Rebates.
* Created Dashboards, Reports, and Datasets using Power BI.
* Interaction with business users to refine the requirements for the end-to-end process flow.
* Configured SSIS packages using Package configuration wizard to allow packages run on different environments.
* Worked on SQL performance tuning and done unit testing to check the performance on the changes made in the backend reflecting in the front end of the application.
* Designed and optimized dynamic SQL batches to perform bulk operations in the OLTP environment.
* Developed Sub Reports, Matrix Reports, Charts, and Drill down reports, Ad Hoc reports using SQL Server Reporting Services (SSRS).
* Created SSIS templates for developing SSIS packages in such a way that they can be dynamically deployed in to development, testing and production environments.
* Developed backup and recovery plans based on OLTP load and server down time.
* Created T-SQL queries used in PIVOT/UPIVOT, CTE.
* Created Linked Servers and send data across multiple Servers.
* Created Functions, Stored Procedures and Views.

Environment: SQL Server 2012/2008R2, Microsoft Access, Microsoft SQL Server Integration Services (SSIS) 2012/2008R2,Microsoft SQL Server Reporting Services (SSRS) 2012/ 2008R2, Microsoft SQL Server Analysis Services (SSAS) 2012/ 2008R2, MS Access, JIRA, C#, .Net.

**ACADEMIC PROJECTS**

**2-D fluid Simulator**, **Hood College**

* Developed application for 2-D Fluid Simulator based on Lattice Boltzmann algorithm. Software enable users to configure the fluid and its environment that needs to be simulated and provide additional features of adding flow meter, barriers, logging and replay of simulation. The application is used to observe the behavior of liquid flowing through a pipe or container of different shapes. Properties such as velocity, pressure at any position in the container is monitored. The application also provides option to select liquids as well such as water, glycerin etc. whose flow properties in different environment needs to be observed.

**Environment:** JAVA, JRE, JDK and Eclipse

**Conway’s Game of Life, Hood College**

* Created a simulation application for Conway’s Game of Life. This computer game is like the chessboard where each box can have a state of dead or alive. If there are more than or equal to four neighbors box is marked as dead. If there are less than three neighbors the box is marked as born. This game is a simulation game used for modelling and evolution of life of various species.

**Environment:** C language.

**Elevator System, Hood College**

* Developed an elevator control system. This embedded system project needed an understanding of various project life cycle. Performed requirement analysis to understand the requirements to build an elevator system. This was followed by design and implementation of the system. Each step of process was supported by proper documentation such as Software Requirement Document, Software Architecture Document and Developer Guide.

**Environment:** Developed using JAVA.

**Unit and Integration Testing, Hood College**

* Performed unit and integration testing of a 2-D fluid simulator application. This project was developed using Java and was a desktop installable application. Developed the Unit, integration and regression test specifications.

**Environment:** Manual testing for the Java application.

**RELEVANT COURSE WORK**

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| * Software Engineering | * Database Management Systems | * Software Testing |
| * Algorithm Analysis | * Operating Systems | * Info Systems Security |
| * Artificial Intelligence * Data Mining | * NoSQL Database Systems | * Musical Computing * Programming Languages |