** GEOL GLADSON BATTU**

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|  | **EDUCATION** | **University of South Florida – Tampa, FL** |  | ***Dec’2016*** |
|  |  | Master of Science, Information Technology, GPA: 4.0/4.0 | | |
|  |  | **Relevant Coursework:** |  | |
|  |  | Advanced Database Management | Advanced Programming Techniques | |
|  |  | Statistical Data Mining | Project Management | |
|  |  | **JNT University, Hyderabad – India** | | ***July’2012*** |
|  |  | Bachelor of Computer Science & Engineering, GPA: 3.6/4.0 | | |
|  | **SKILLS** | |  | | --- | | **Programming Languages**: T-SQL, R, Python, Unix Shell, Map-Reduce, C++, PowerShell and Java 8. | | **ETL & OLAP Tools:** SSIS, SSAS, AWS Management Console, Weka, MATLAB. | | **Web technologies:** HTML, XML, JavaScript, AngularJS, Web Services SOAP and Restful. | | **Reporting Tools:** IBM Cognos, Adv. Excel & Power View and Tableau. | | **Development Tools:** Eclipse, BIDS, Visual Studio, GIT Lab, SQL Profiler, Visual Basic and R Studio. | | **Databases:** SSMS, MS-Access, Oracle, DB2, MySQL, Hive, NoSQL (MongoDB). | | **Operating Systems:** Linux, Windows. | | **Defect Tracking Tools:** Jira, Rally, HPQC. | | **Methodologies:** Waterfall, Agile, Scrum. | | **Certifications:** Oracle Certified Professional Java Programmer. (Exam 1Z0-851);  Microsoft Certified Professional in Querying SQL Databases. (Exam 70-461) | | | |

**WORK EXPERIENCE**

**Summary:** Around 6+ years of experience in Database Design, Development and Automation of applications on SQL Server, Oracle (ODI) in OLTP/OLAP/BI environment with strong understanding on techniques of ETL modeling and Reporting including complete life cycle implementation of Business Intelligence and Enterprise Data Warehouse.

* Expertise in improving business processes through automation involving SQL, BIDS and C# scripting.
* Certified in Analytics and Business Intelligence (USF) with Expertise in data gathering, feature engineering, exploratory data analysis, statistical inference, predictive modeling, and data visualization.
* Expertise in story telling with data by building Interactive Dashboards and analytical reports using Tableau.
* Expertise in implementing efficient Disaster Recovery Strategies and High availability like Replication (Snapshot and Transactional with updatable subscriptions), Log Shipping, Clustering (A-Active and Active-Passive) and Database Mirroring.
* Extensive knowledge in Data Mining techniques and predictive modelling techniques (Linear and Logistic regression, Decision trees, Neural Networks, Time Series forecasting).
* Microsoft Certified Professional in Implementing a SQL Data Warehouse (Exam 70-767).
* Capable of extracting data from an existing database, Web sources or APIs. Experienced in designing and implementing fast and efficient data acquisition using Big Data processing techniques and tools.
* Proficient in database design, performance tuning and optimization, writing complex queries and procedures.

**Client**: Citigroup **Location:** Tampa, FL **Role:** BI Application Programmer **Visa Status:** H1 ***Mar’2017 to Until now***

**Project: Banking System Integration**

This project introduced improvements to Global Credit Control system (GCCS) in order to enable real-time cash and intraday credit lines usage for Direct Custody and Clearing clients operating in the Brazilian market.

The key outcomes of this project are:

• Strengthened Credit and Cash monitoring for a major market in Latin America (LATAM) through reduction in overdrafts.

• Increased STP rates for Operations reaching 90% of transactions to expedited funding and increased liquidity.

• The processing effort decreased to 30% enabling shift of resources to Client Services role.

**Project: OPS Automation**

* Automated the Reconciliation and Payment Processes of Foreign Exchange trades for LATAM Market.
* Established automation of repetitive DB processes using UNIX shell scripts to minimize errors and reduced rework by 18%.
* Developed Automation Script for FX execution process, which involve tasks to identify Fixed Income, Equities & Other Securities trades thereby trigger request for FX Rate and authorize FX having Send/receive request for the funding approval.
* Automated the process to send FX Reports to clients through email upon receipt of FX trade details from Central server.

The above automation processes leveraged a decrease, in fact voided/zeroed customer claims due to incorrect/missing execution, past acceptable market cut-off time’s execution, which expose Citi (Client) to unnecessary Operational, Market risk and therefore financial losses of FX transactions.

**Responsibilities:**

* Understand and Translate business requirements (**BRD**) to Application development teams and ensuring consistency in the understanding. Collaborate with developers and QA teams to develop implementation specifications(**FRD**) using Word/Visio, Architecture Design Solution(DD) and testing strategies in **HPQC & JIRA**.
* Coordinate with the Project Manager in PI planning, Conduct Retro and Demos each iteration and schedule project time lines.
* Develop and Enhance Automation Script using MS **SQL Server procedures, Unix Script and C#.Net**.
* Developed source to target mapping documents to load data from **Hadoop into UNIX paths** and created the Data stage jobs.
* Designed and automated a flexible and highly dynamic framework that incorporates robust **marshaling** and **un-marshaling** from XML and a business process layer to allow rapid development and deployment of web services by aggregating back-end service invocations using next generation data warehousing appliance called IBM Integrated Analytics System (**IIAS**).
* Re-designed and developed a **critical ingestion pipeline** to process over 100 TB of data.
* Monitor performance and accordingly optimize SQL queries for maximum efficiency using **SQL Profiler and Index Wizard.**
* Create **Autosys Jobs** to **automate** tasks such as to run Index Maintenance, Index defragmentation, Rebuild & Update Stats.
* Identify the need for automation by testing the modified procedures, **ETL flow, and Power view reports** and make decisions.
* Generate Monthly FX Reports for different countries all over LATAM & NAM using **SQL, Tableau and Excel.**
* Involved **in deploying and configuring** packages, error handling, batch logging, and troubleshooting reports.
* Worked with Avro and parquet file formats and used various **compression techniques** to leverage the storage.
* Worked on on-call production issues – scrubbing, resolve query issues, workaround for defects within SLA duration.

**Employer:** Infosys Ltd. **Client:** Microsoft Corp. **Location:**Hyderabad, India. ***Sept’2013 to July’2015***

**Project “One Plan BI”:** It has 3 Modules-Operations BI, CI Cube-Finance and OneView which are used for calculation of incentives and payment information for various partners across the world for Microsoft based Program types, region and on different business rules and regulations.

**Project “Cloud BI”:**

Cloud BI is a platform, which helps the Microsoft employees at higher level, for the purpose of decision making and forecasting.

It is a BI Solution for an enterprise wide reporting platform for MS Cloud services.

**Responsibilities:**

* Migrated data from Heterogeneous Data Sources and legacy system (Cognos, DB2, Access, Excel), which is used for creating OLAP reports, dashboards & pivot tables to SQL Server databases using **SQL Server Integration Services (SSIS)**.
* Involved in designing and developing Data Warehouses and Data marts using multidimensional models such as Star Schemas and Snow Flake Schema for developing Cubes in **SQL Server Analysis Services (SSAS).**
* Automated ETL flow to report Monthly/Quarterly Sales data of different Microsoft Products using **C# and PowerShell** resulting in no manual intervention with **$650,000** savings in 2014 & **$600,000** in 2015.
* Extensively used **SQL** for developing complex stored procedures, triggers, tables, user profiles, user functions, relational database models and data integrity, SQL joins and Tuning of T-SQL Statements effectively with **SQL Profiler.**
* Created & formatted cross-tab, conditional, drill-down, top n, summary, form, sub reports, Ad hoc reports, parameterized reports, interactive reports & custom reports using **Excel and IBM Cognos Studio**.
* Developed different dynamic stored procedures to load member and sales data from more than 18 different client’s files daily/monthly/quarterly using bulk import process and SSIS packages.
* Worked with **Web Service task** where the binary files are converted into **XML element** to place in Message Broker queue.
* Implemented SQL performance tuning on ETL queries that decreased job execution time by approximately 20%.
* Proactively monitored database systems to ensure secure services with minimum downtime.

**INTERNSHIPS**

**Graduate Assistant** - University of South Florida, Tampa. **VISA Status:** F-1 (20hrs a week) ***Aug’2015 to May’2016***

**Skills and Tools used:** Python, SQL and Unix Shell

* Assisted in teaching undergraduate courses, including Python, UNIX and SQL.
* Project involved work on Extracting the data from different data sources, which aims at demonstrating that websites are not secure against SQL Injection attack where in code (SQL-Statement) is inserted into an entry field for execution and thus exploiting the vulnerability of the software.

**BI Intern -** Zwitch Payments Pvt. Ltd, Bangalore ***Jan’2012 to July’2013***

* Analyzed the customer churn out rate by creating geo-spatial distribution of subscribers using **Tableau** based on behavioral and demographic tendencies for improving campaigning strategies and helped the client in reducing the marketing expenses by 10% resulting in migrating all of the existing **SSRS reports to Tableau**.
* Developed solution driven dashboards by developing different chart types including Crosstab’s, Heat/Geo/Tree Maps, Pie/Bar Charts, Circle Views, Line/Area Charts, Scatter Plots, Bullet Graphs, and Histograms in **Tableau Desktop**.