

# Jessica Claire

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## SUMMARY

Solution-oriented Data Engineer with more than 8+ years of diverse career experience in IT systems development and maintenance, systems and exploratory data analysis, quality assurance, project management and system implementation well versed in latest ETL Methodologies.

## SKILLS

- Results-driven, Customer-focused, Team Player and Quick learner
- Full Software Development Life cycle expertise with strong experience in **ETL Framework Development**
- Proficiency in **Data Engineering, Data Migration , EDW Build and Maintenance**
- Data Mart build and implementation
- **Performance Engineering**
- Data Analytics and **Automation Expertise**
- Finance, Insurance and Telecommunications domain expertise
- Reports and **Dashboard build**, analysis and troubleshooting
- Analytical, programming, and inter-personal skills
- **Informatica Power Center and Data Quality**
- Expert **SQL** Writing and analysis skills
- RDBMS **Teradata Load Utilities, Oracle, Netezza, Redshift**
- Shell Scripting with Unix and Perl
- Performance Tuning and optimization
- Cloud Implementation using **AWS**
- Big Data Technologies - **HDFS, Sqoop, Hive**
- Machine Learning knowledge with **R and Azure**
- Front end web development using **angular, html 5, css**
- Reusable component development
- Dashboard development using **Tableau**

## EXPERIENCE

**DATA QUALITY ANALYST/DEVELOPER** 02/2016 to CURRENT

**Hp Inc | Atlanta, GA**

- Identifying the anomalies in Data, doing the root cause analysis and applying the appropriate fix
- Provide Rapid Response Support for any production failures to ensure daily data delivery deadlines are met
- Co-designed the reconciliation process framework called ABC (Audit-Balance-Control) to ensure that the data delivered to the Business is correct
- Work with the Marketing, Finance and Accounting Teams and ensure that their weekly, monthly and quarterly reporting needs are fulfilled
- Acted as Solution Architect and Subject Matter Expert for Legacy Data Migration Project
- Prepare the Design, co-ordinate with the Business Users, Development, QA and the Deployment Teams

**SECURITY ARCHITECT** 08/2016 to 06/2017

**Microsoft Corporation | Memphis, TN**

- Conducted analysis to address the CPNI data leak issue reported by the Security Team which led to the Encryption Solution in preventing data leak throughout the ETL processes
- Planned and executed the Data Encryption Project where my responsibilities include attending Business Meetings, identify the Technical Work needed to meet their Needs to Designing, Developing and Deploying a Solution that is fool-proof and doesn't impact the performance of the existing data processing steps
- Work with the DBAs to provide Decryption Key to the Users who have a Business Case to access the CPNI data
- Review code, Test plans and Documentation and provide necessary support

**TEAM LEAD /ETL DEVELOPER** 07/2013 to 01/2016

**Infosys Ltd | City, STATE**

- Development and maintenance of Data warehouse that maintains the Commercial Insurance Policies division of Nationwide Insurance
- The business objective of the project is to have a centralized data repository that helps the users in their business development decision making
- End-to-end application development project involving requirements elaboration, design, build, testing, implementation, maintenance and support
- Designed Control Framework with Informatica and Teradata with benefits like Trace ability of Data Lineage from Source to Target, ,Row level auditing - Audit trails of how the data got to where it is, Standardized Code, re-usability, faster development using easily scale able architecture
- Building the Reconciliation process using SQL and Shell Scripting
- Designed and Developed a Code Review Automation Tool and Mapping Generator tool using VBA which greatly reduced the development and peer-review effort
- Development is traditional waterfall as well as agile development methodologies
- Working with various source teams that deliver data in variety of formats – Flat Files, VSAM, XML Files, Oracle, DB2 tables
- Delivering the data to heterogeneous targets – Teradata, Netezza, Oracle, Salesforce, Third Party ftp locations, Mainframes
- Review code, test plans and documentation
- SIS (System Information & Specification) documentation
- Support the QA team in their testing (Iteration, System)/Defect resolution

**SENIOR SYSTEMS ENGINEER** 06/2009 to 06/2013

**Infosys Ltd | City, STATE**

- Rewriting an entire application existing in Mainframe/Data Stage/DB2 to Informatica-Teradata
- Developing mappings and mapplets to transform the data according to the business rules
- Created a hand-shake mechanism between UNIX and Mainframe so that the audit reports can be transferred to external teams where validation is performed
- Worked on consolidation of all the 17 existing billing systems for an Investments Client
- Created an Automated ETL Based Pick and Load Mechanism that helped to eliminate the manual intervention needed during History Catchup.
- Used Session parameters, Mapping variable/parameters and created Parameter files for imparting flexible runs of workflows based on changing variable values
- Worked with Static, Dynamic and Persistent Cache in lookup transformation for better throughput of Sessions.
- Involved in Tuning the Informatica objects to increase the Performance of the Informatica loads.
- Performed Tuning by identifying and eliminating the bottlenecks occurred for increasing the performance.
- Performed data quality analysis to validate the input data based on the cleansing rules.
- Performed unit testing on the Informatica code using the Informatica Debugger and by manually checking through Sql queries.
- Prepare the run books for testing environments.
- Prepare the Implementation Plan for Production Deployment

## EDUCATION AND TRAINING

**Bachelor of Technology | Computer Sciences** 2009  
**Acharya Nagarjuna University**

Coursework in **Data Science** and **Data Engineering**

**Machine Learning** using **R** and **Azure** - 5 Day Boot camp

Trained in **Amazon Web Services**

## ACTIVITIES AND HONORS

- Received **Awards of Excellence** and The **Most Valuable Player** Award for Outstanding performance in the projects 'Information Management Team' and "Alternate Investments" at Charles Schwab.
- Received numerous Client Appreciations for my analytical skills in breaking down problems, driving the team through issues and arriving at solutions.
- Awarded a **Bravo** at Nationwide for my dedicated support in the continued Success of E-Product
- Received the **Hercules Award** for my dedicated support in the success of Data Migration Project at T-Mobile.