**Swami Ravada**

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**Professional Summary:**

* An energetic, team-oriented developer with over 13 years of experience. I have a wide range of skills and have worked in various roles, focusing on analysis, design, development, and implementation of software applications. My primary skill set is with the Ab Initio ETL tool, and I have hands-on experience with UNIX and Oracle.
* Proficient in exploring and translating business requirements to technical requirements.
* Well-versed in performing Data Analysis, Data Transformation, Data Mapping, and Data Loading to medium and large data warehouses.
* Good working knowledge of Ab Initio suite of products - GDE, Co>Op, EME, MFS, PSETS, Control Center, Continuous Flows, PDL, Metaprogramming, **Metadata Hub**, Query>IT, **Express>IT(ACE/BRE), Conduct>IT (Plans**).
* Proficient in writing UNIX Shell Scripting; possess good knowledge of Oracle and AutoSys Scheduler
* Experience in working on Ab Initio Operational Console (Control Centre) and proficient in creating Group Definitions, Job Definitions, Calendar Setups, Update/ Delete Jobs
* Experience in converting business needs to technical solutions by designing and implementing from scratch to designated output.
* Facilitate team collaboration by using EME to coordinate changes, share ETL components, and manage concurrent development efforts.
* Good experience designing, developing, implementing, and supporting new and existing data integration jobs using Teradata Stored Procedures.
* Had developed ETL data workflows and code for new data integrations and maintained/enhanced existing workflows and code in Teradata.
* Integrate Python with scheduling tools to automate the execution of Ab Initio jobs and manage batch processing.
* Good knowledge of big data technologies like Apache Hadoop echo system components like HDFS, and Hive.
* Good experience in setting up and automating jobs through Control Center, Tivoli, and CTRL M and exporting/importing the schedules for migration across environments.
* Experience in using HDFS commands like hdfs dfs -copyFromLocal, CopyToLocal, mkdir.
* Demonstrated ability to grasp new concepts (Both Technical & Business) with strong analytical and problem-solving skills.
* Had been involved in maintaining efficient and effective deployments and pipelines leveraging CICD tools, scripting, and DevOps practice in a Tivoli support environment.
* Had been involved in performance tuning of queues and environments, taking care of queues, exchanging along troubleshooting technical glitches.
* Highly motivated team player with organizational and analytical skills a passion for working in challenging environments and adaptable to varying circumstances.
* Work with product owners to establish the design of the experiment and the measurement system for the effectiveness of product improvements.
* **Good Knowledge of Azure services including ADF and Databricks.**
* Have demonstrated advanced working SQL knowledge and experience working with relational databases, query authoring (SQL) as well as working familiarity with a variety of databases.
* Have been involved in building processes supporting data transformation, data structures, metadata, dependency, and workload management.

**Technical Skills:**

**ETL Tools**: Ab initio

**Databases**: Oracle 10g/ 11g, Oracle Exa Data, PL/SQL, SQL Server, Teradata, DB2

**Languages**: Python

**OS:** Windows, Unix/Linux

**Repositories:** EME, GIT

**Software Engineering Practices**: JIRA

**Domains:** Banking, Financial Services, Credit Card Products, Retail.

**Certifications**:

* **AZ-900:** Azure fundamentals
* **DP-203:** Azure Data Engineer Associate

**Professional Experience:**

**Client: Wells Fargo, India May ’21 to June’24**

**Role: Lead ETL/Ab-initio Developer**

**Description: TMA -Team Member Attribute**

Team Member Attributes (TMA) is a rule-based user authorization solution for coarse and fine-grain entitlements of branch team members. It leverages assigned authority, certifications, training, and measurable risk factors for assigning entitlements. TMA 2.0 rules engine team builds a process that systematically calculates, applies, and manages authorities/limits, to ensure good customer experience is achieved and a proactive approach to risk mitigation and a more efficient process is created.

**Responsibilities:**

* Involved in the Grooming of the backlog User stories and sizing them to get Approval from the Product Owner.
* Created the design document for the ETL flow and also worked with the DBA to get the required tables created for the development.
* Created the ETL graphs in GDE and transformation logic based on the mapping document.
* Used EME to manage different versions of ETL processes and metadata, ensuring accurate tracking of changes and smooth integration of updates.
* Used Python to interface with external APIs or services, enabling integration with web services, databases, or other data sources.
* Created the Jobs in the AutoSys for all the DEV/QA and UAT environments.
* Involved in the UAT testing along with the Unit testing of the Jobs.
* Involved in all sprint ceremonies from Grooming to Demo.

**Environment:** Unix/Linux, Ab initio (GDE 4.0.3.2 Co>Op 4.0.2.3), Control Center, Query>IT, Express>IT, BRE

**Client: Wells Fargo, India Feb ’20 to May ’21**

**Role: Sr. ETL/Ab-initio Developer**

**Description: Cardlytics-My Current Offers**

The purpose of this project is to provide Debit and Credit card customers across the bank with relevant merchant-funded offers that deliver incremental value to customers to drive loyalty and promote the use of their Wells Fargo cards. To accommodate this, we will provide the customer and transaction data which is tokenized/encrypted to the Third-party vendor Cardlytics, which will do the analytics and send the offers to the eligible Wells Fargo Customers across the country.

**Responsibilities:**

* Creation of automation scripts for repetitive tasks to save development hours and improve the standards of the coding and testing activities.
* Involved in the design walkthrough and procure the necessary information about the requirements.
* Designed the graphs using Ab initio GDE according to the mapping document.
* Created the Archival scripts in UNIX for the Purging of files based on the retention period.
* Created the AutoSys JILs and took care of the runs in all Non-Prod environments.
* Proactively worked on the QA defects that have been raised by the QA team.
* Coordinating with the downstream partners and loading the data to the UAT tables as per their requirements.
* Created the PROD migration documents and was involved in Game plan walkthroughs.
* Analyzing the production issues and identifying the improvement areas.

**Environment:** Windows 8/10, Unix/Linux, Ab Initio (GDE 3.2.5, 3.2.6, Co>Op 3.2.7.2, 3.3.7.9), Control Center, Oracle. AutoSys.

**Client: Birla Soft India Pvt Ltd / Wells Fargo, India May’18 to Feb’20**

**Role: Sr. ETL/Ab-initio Developer**

**Description: Cache Data Factory (CDF)**

Cache Data Facility (CDF) is a server-based application that populates high-availability replicated customer and account data from Hogan SOR in an Oracle database for extended history. The CDF application is technically divided into 4 parts – ETL, Java MQ messaging, Oracle Stored procedures, and AutoSys Job Scheduler. The CDF Database updates are done from both Java MQ on an online basis and from ETL daily for IDS and on a daily and weekly basis for CIS through batch processing. Account Product Services (APS) and Enterprise Customer Profile & Referral (ECPR) are the two middleware clients that access CDF data via SQL or Oracle Stored Procedures. If CDF does not have the latest data, it marks the data as dirty so that the calling systems switch to Hogan for fetching the latest data from it.

**Responsibilities:**

* Analyse and review the Business Requirement Specification docs.
* Worked as a Team lead and was involved in Functional Requirement Analysis, Testing, and Implementation.
* Proactively worked on the QA defects that have been raised by testing teams
* Developed UNIX shell scripts to cater to several project needs such as generating batch scripts, archival & clean-up processes, and load summary reports to ensure load integrity, and many more.
* Creating end-to-end flows using Conduct>IT plans. Scheduling them through AutoSys Scheduler and defining dependencies for effective load processing.
* Working on multiple applications under CDF Umbrella (PFF/DCBS/RWS/CRMF).
* Creation of automation scripts for repetitive tasks to save development hours and improve the standards of the coding and testing activities.

**Environment:** Windows 8/10, Unix/Linux, Ab Initio (GDE 3.2.5, 3.2.6, Co>Op 3.2.7.2, 3.3.7.9), AutoSys 11.3, Oracle Exa data

**Client: IBM India / Sun Trust Bank, USA Apr’17 to May’18**

**Role: Sr. ETL/Ab-initio Developer**

**Description: Atlas Data Lake Program**

The purpose of this project is to establish the Data lake program across the SunTrust bank that will enhance the performance and optimize the processing time of the source data that has been coming from various source systems like FISERV, DDA, and CIS. As a part of this program, we are migrating the applications that are in the DIME to ATLAS, by using the Hadoop components to read and write the data and also follow the No-harm approach for the data by doing the test harness between the DIME and ATLAS load ready files. We also configure the MHUB psets, which will establish the Lineage between the source and the target.

**Responsibilities:**

* Designed the Graphs according to the ATLAS lake standards.
* Worked as a Team lead and was involved in Functional Requirement Analysis, Testing, and Embedding the reconciliation logic for each graph, which will give the count between the input and output records.
* Proactively worked on the QA defects that have been raised by testing teams
* Created the PROD migration documents and conducted the PROD KT sessions
* Worked with the DMO teams in establishing the lineage between the applications.

**Environment:** Windows 8/10, Unix/Linux, Ab Initio (GDE 3.2.5, 3.2.6, Co>Op 3.2.7.2, 3.3.7.9), AutoSys 11.3, Oracle Exa data

**Client: Capgemini India Pvt Ltd / HSBC Bank, UK June’16 to Apr ‘17**

**Role: ETL Developer**

**Description: A>I Data Factory**

The purpose of this project is to establish the standards for the Metadata Hub projects like GDI which involves the establishment of lineage between data from the HSBC Business glossary and EIM applications and the Global customer data utility (GCDU), which will load the Visio’s into the metadata hub data store to establish the Horizontal Lineage. It mainly involves creating the Metadata reports and the customizations of the Object classes of the metadata and loading the Excel into the Ab initio Metadata data store. It also involves the connection and scan of different EIM systems with the help of the .dbc files and loading the assets into the MHUB data store.

**Responsibilities:**

* Analyse and review the Business Requirement Specification docs.
* Worked as a Team lead and was involved in Functional Requirement Analysis, Testing, and Implementation.
* Created the Metadata reports to identify the Orphaned metadata objects.
* Worked with the Meta SQL to Create the reports for the HBIM delete Impact.
* Extensively worked on the Metadata Object and View Customizations.
* Created the XML’s to extend the Ab initio Object model.
* Worked on the Horizontal lineage and Vertical lineage between the Orphaned objects.

**Environment:** Windows 8/10, Unix/Linux, Ab Initio Express>IT, Conduct>IT, Data Quality AutoSys 11.3, MHUB, Oracle Exa data

**Client: Polaris Consulting & Services / Citi Bank Dec’14 to Jun’16**

**Role: ETL/Ab-initio Developer**

**Description**: **GIW-Securities-Corp actions**

This development is to handle the CITI reference data that is coming from various source systems like SMAC, NCS, BANCS, SBSS & Secore, this data includes the events, entitlements & disbursements data that correspond to each event. The design here is to capture the data that is pertaining through our system, transform and load to the warehouse tables, and then publish the triggers to the CDS (downstream) queue, after which the CDS will pull the data with the help of file ids published in the queues by using the CDS views.

**Responsibilities:**

* Prepared Design Document as per the CDD/WO provided.
* Prepared the Impact analysis and UTR documents.
* Interacted with the Business team to troubleshoot the queries in the requirements.
* Built graphs by using various Datasets and Program components.
* Developed wrapper Scripts wherever necessary.
* Used Python for advanced data manipulation, including string operations, data parsing, and numerical computations.
* Working on Tollgates and STE reviews for Approval before migrating the Code.
* Interacted with partner systems during the UAT period.
* Performed Unit Testing and migrated the code to UAT and Production environment.

**Environment:** MS Windows XP, UNIX, Ab Initio (GDE 3.0.4, 3.1.4, 3.2.1, Co>Op 3.1.4.3, 3.2.1, 3.2.2), ACE (3.2.1, 3.2.2.9), Control Center/Operational Console, Oracle 11G

**Client: Compact Softech Pvt Ltd / Bed Bath & Beyond Sep’13 to July ’14**

**Role: ETL Developer**

**Description: Supply Chain**

Bed Bath &Beyond which has stores around the USA, CANADA wants to have a central repository for the data pertaining through the different stores and warehouses. In part to this requirement, this module Supply Chain will deal with different subject areas like Vendor, carrier, WMS, shipment, and claims, where the data related to each subject area will be maintained in a source system. Here we unload the data from different source systems and then cleanse the data by applying the business rules and then load it to the stage tables, from the stage the data is later loaded to the Fact tables. From the fact tables the data is being pulled by our downstream that will generate the reports.

**Responsibilities:**

* Involved in analyzing the mapping document and designing the technical flow of the project.
* Created the generic graphs to unload the data and to load the data.
* Created the transform graphs by applying the business rules to the data.
* Created the stage load and fact load psets.
* Created the plans that handle the process for different concepts like BBUS, BBCA, and BEYOND.
* Prepare the test cases Migration sheets and dependency sheets.
* Worked on scheduling the plans in Tivoli.

**Environment**: Ab initio 3.0, UNIX, Oracle, kognitio and Tivoli.

**Client: Capgemini India Pvt Ltd / Barclays Bank Apr ’11 to Sep ‘13**

**Role: ETL Developer**

**Description: Information Management (IM)**

As part of the Information Management Program, there is a requirement that all Barclaycard SBUs (Strategic Business Units) house their relevant data on a single platform forming and establishing a ‘single version of truth’ for data assets.IM Data Acquisition project has been initiated to capture data about various portfolios that will be acquired into GDAP. The tactical approach has been taken into consideration where data will be loaded in the Teradata database and some were converted to SAS datasets and made available to Barclaycard users with no data modeling as per the requirements now. Once this tactical approach is delivered to users, a strategic solution approach would be undertaken to align the data with BGDM (Barcla1ys Group Data Model) and create data marts and cubes.

**Responsibilities:**

* Worked on the CRs that come on a quarterly and monthly basis.
* Resolving the production issues to maintain the BAU.
* Mainly involved in the Incident Management and Root Cause analysis.
* Analysis of the technical specifications and preparing the IA (Impact analysis) document.
* Understanding the requirements and involving in the development of different graphs.
* Extensively involved in Data Extraction Transformation and Loading (ETL Process) from Source to target systems using Ab Initio and UNIX.
* Identification of problems in the graphs and modules, arriving at solutions.
* Worked with Teradata for developing the Dev tables and for querying on tables.

**Environment**: Ab initio 3.0, Tivoli workload schedular-8.4, UNIX, and Service Now.

**EDUCATION:**

* Bachelor of Engineering (Computer Science & Engineering), Andhra University, Vizag, AP, 2007.