# GopalaKrishna P

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# Professional Summary:

* Having **8+** years of IT experience in Extraction, Transformation and Loading (ETL) mechanism using **Ab Initio, Oracle, Unix, Autosys.**
* Extracted data from various cloud data sources like **AWS-S3, Snowflake** including **CSV and Flat files**.
* Performed ETL operations on daily Transactions file and loaded the data into various cloud data stores such as **Snowflake, Oracle.**
* Experience in partition**-**based **Table creation in Oracle.**
* Developed ETL/ELT processes to handle data migration from legacy data stores, multiple business units and sources including Oracle, Postgres, Snowflake, DB2.
* Experienced in using build tools like Jenkins, Maven to build and deploy applications into the

**AWS EC2** instances.

# Experience with Ab Initio Co>Operating System, application tuning and debugging strategies.

* Hands on experience in **end-to-end of Data warehousing ETL routines**, which includes

developing **Autosys Jobs, Ab-Initio graphs, UNIX scripts**.

* Experience in **reading and writing data to AWS file system** using Ab Initio Components.
* Have developed the **scripts** to automate ETL process using **UNIX K-shell scripts.**
* Ability to co-ordinate effectively with development team, business partners, end users and management.
* Have good experience in the production support and QA/dev environments and be able to resolve the production, QA issues and deliver the results as per the end user requirements.
* Ability to handle multiple tasks, initiative and adaptable. Proactive team player with capability of handling responsibilities independently as well as with internal/external team Coordination efforts.
* Adeptness in handling the complete **SDLC** and flair for adopting & keeping abreast the latest IT trends/ technologies and providing innovative and alternative solutions to the Customers.
* Domain expertise in **Banking and Credit Card** applications.
* Experienced in Agile development process for diverse requirements.

**Technical Skills:**

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| --- | --- |
| **ETL tools** | Ab Initio 3.3.1, 3.2.6, 3.1.4, Spark/Scala. |
| **Cloud Technologies** | AWS-EMR, EC2, Lambda, AWS-Athena, Databricks, Route53,  Docker tool box, AWS-Lambda etc. |
| **Programming/Scripting Languages** | UNIX Shell & Bash Scripting, Java, Python and SQL |
| **Databases** | Snowflake, Oracle, Teradata, DB2 and SQL Server |
| **Tools/Utilities/Packaged Software:** | PL/SQL Developer*,* Control-M, Auto Sys Scheduler, ServiceNow, Microsoft Office Tools |

**Project experience:**

**Client: JPMC, Plano, TX**

**Role: Ab Initio Developer Nov 2022 – Present**

# Roles & Responsibilities:

* + Understand the complex requirements and develop, test, **and deliver the Ab initio code replication of Spark jobs written in Scala/Python.** without compromising quality.
  + Performance tested the **Autosys jobs** on more than **100M+** transactions parquet file size of 6-8GB.
  + Providing expertise in technical analysis and solving technical issues during project delivery
  + Provide L3 support and provide test support.
  + Ab Initio Development.
  + Directly impacts the business by ensuring the quality of work provided by self and others; works closely with other teams as partner
  + The role provides the successful candidate with the opportunity to be involved in strategic software development within the SPE team. This work will be executed in a fast paced and challenging environment
  + Partner with business resources to troubleshoot issues, manage capacity, and plan for the optimization and expansion of environments
  + Collaborate with the architects, developers, business analysts and company executives in order to determine the software's technical direction, system design and implementation plan.
  + Develop Ab Initio code to process XML files as well as database retrievals in an agile environment
  + Serve as technical SME in all phases of system life cycle (gap analysis, design, develop, implement)
  + Serve as project team liaison with business partners to analyze the impact of new requests and business process changes on existing systems and processes
  + Coordinate L3 Production support and release implementations activities if necessary
  + Ab-initio, SQL, XML, XSD, PL/SQL, UNIX, AutoSys
  + Knowledge of Oracle databases, UNIX environment, UNIX shell scripts.
  + Performed ETL operations on daily Transactions file and loaded the transactions data into various cloud data stores such as **Snowflake, S3.**
  + Wrote **Junits and ATDD’s** for the spark jobs and deployed them in QA and PROD with highest code quality.
  + Successfully **loaded the CC project’s 77M+ payment history transactions into the Oracle database using the newly developed** Autosys jobs in a span of 6hrs.
  + Data validations were performed using the oracle tables, for cross comparison and validation of the Autosys jobs output.
  + Developed Spark Jobs were successfully configured and ran in using the **AWS cloud infrastructure such as Standalone EMR and Lambda function** as an input file watcher and spark job trigger.
  + Experience in creating the partitions based, encrypted tables in **Oracle.**
  + Replaced the SQL stored procedure to simple SQL query to search the data in PRESTO by partition range using an API and displayed the data to the frontend- UI based payment research application.
  + Working **with downstream applications** to make sure they don’t have any impact with new developed Ab Initio Code and Provide solutions to them if they are any impacts.
  + Developed the Implementation strategy for the spark jobs in both AWS east and West environments, to avoid the **external scheduling dependencies**.
  + Involved in rigorous Unit, **regression and Performance testing** when we are doing the changes to newly built spark job applications.
  + Involved **in test data driven development** to deliver the quality code for each sprint.
  + Extensively worked on creating and track **work status using Jira**.
  + Worked under **Agile Practice** in 2 weeks deliverables Involved in **sprint planning and retrospective meeting** sessions.

# Client: UHG, Atlanta, GA

**Role: Abinitio Developer Jan 2021 - Oct 2022**

# Roles & Responsibilities:

* + Understand the complex requirements and develop, test **and deliver Ab initio code** within given time lines without compromising quality.
  + Involved in frequent meetings with clients to get business requirements.
  + Created **run calendars** to support the scheduling requirements of **Auto sys Jobs**.
  + Conducted **peer design and code reviews** and extensive documentation of standards, best practices, and ETL procedures.
  + Worked together on Jira stories to configure data in AWS DynamoDB, upload files to S3 locations, and test associated Lambda functions.
  + Executed ETL data loads for **finance, credit cards, and invoices**, ensuring that programmable and calculated fields adhered to business logic and requirements.
  + Contributed to the development of the System Test Strategy for **Ab Initio graphs** and scripts and created processes to generate test data.
  + Developed Ab Initio plans/graphs according to specified requirements.
  + Collaborated with downstream applications to ensure minimal impact from new Ab Initio Code, providing solutions if any issues arose.
  + Developed and implemented Conduct>IT plans to avoid external scheduling dependencies.
  + Engaged in thorough regression testing during modifications to existing applications.
  + Developed SSIS packages for populating data from diverse data sources.
  + Created and managed schema objects such as tables, views, indexes, stored procedures, and triggers while maintaining referential integrity.
  + Utilized **DDL and DML** to write triggers and stored procedures for data entry and payment verification.
  + Responsible for analyzing transformation logic used in stored procedure ETL through T-SQL scripts to automate data testing.
  + Involved in preparation of the **System Test Strategy for Ab Initio graphs and scripts,**

and also created processes to generate test data.

* + Developed common **Ab Initio plans/graphs** as per requirements.
  + Working **with downstream applications** to make sure they don’t have any impact with new Ab-Initio Code and Provide solutions to them if they are any impacts.
  + Develop **Conduct > It plans** to avoid the **external scheduling dependencies**.
  + Involved in rigorous **regression testing** when we are doing the changes to existing applications.
  + Involved **in test data driven development** to deliver the quality code for each sprint.
  + Extensively worked on creating and track **work status using Jira**.
  + Worked under **Agile Practice** in 2 weeks deliverables.
  + Involved in **sprint planning and retrospective meeting** sessions.

# Environment:

Ab Initio 3.2.7, Control Center, Linux, Mainframe, Autosys, Windows XP, Putty, Python, TeraData, MQ’s, Jira and Oracle

**Client: Master Card, St Louis, MO**

# Role: Ab Initio Developer July 2019 – Dec 2020

# Roles & Responsibilities:

* + Analyzed Business and Accounting requirements from the Accounting and Business detail level Process design.
  + Involved in understanding the Requirements of the end Users/Business Analysts and Developed Strategies for ETL processes.
  + Responsible for the detailed design and documentation. Provided technical solutions for the **process requests** raised by data team to fix the issues in the existing system.
  + Designed, developed and Unit tested Ab Initio graphs using **GDE for Extraction**, Transformation and Loading of data from source to target.

# Extracted data from Oracle legacy Data source tables and created various loan lookups, commitment type lookups, and security type lookups.

* + Created and modified various **Loan, Property and Asset graphs** based on the business rule enhancements.
  + Involved in **writing test cases to validate the code** changes.
  + Extensively used Database and Dataset components like **Input file, Input table, and Output table and Transform components like Join, Rollup, Scan, Filter by expression, Reformat and other components like Merge, Lookup, Input/output table and Sort.**
  + Implemented **component level, pipeline and data parallelism** using Ab Initio for ETL process. Extensively involved in performing EME dependency analysis.
  + Used Partition components like partition **by expression, partition by key, etc., to run the middle layer processing parallel.**
  + Extensively used various inbuilt transform functions like **string substring, string lpad, string index, lookup functions, date functions, error functions.**
  + Worked on improving performance of **Ab Initio graphs by using various Ab Initio performance techniques like using lookups, in memory joins and rollups to speed up various Ab Initio graphs. Designed and developed parameterized** generic graphs.
  + Closely monitored the **Autosys batch jobs** in ETL batch run during System, Integration and Acceptance test runs.
  + Worked closely with CM team to migrate the ETL code changes from development environment to **System, Integration and Acceptance** environments.
  + Extensively worked in the UNIX environment using **Shell Scripts**. Created **test cases and performed unit testing for the Ab Initio graphs**. Documented **Unit testing. Logged and resolved defects in the roll out phase**. Responsible for supporting the CM team and troubleshooting any production issues.
  + Created a Production support document and documented the **Test case workbook**, **High level Design and Detail Design** documents.
  + Conducted data analysis, validation, quality checks, comparisons, impact analysis, and root cause analysis for deviations.

**Environment:** Ab Initio GDE 3.1, Co>Operating System 2.15.8-3.1.1.7, Oracle 11g/10g/9i, pls/sql, Autosys, UNIX Shell Scripting, Sun OS 5.8.

**Client: Comake IT India Software Pvt Ltd**

**Role: ETL Developer, Hyderabad, India May 2014 – June 2018**

# Roles & Responsibilities:

* + Analysis and documentation of the relevance and complexity of data received from clients and third-party providers.
  + Preparing mapping documents.
  + Involved **in system design, analysis, construction**, testing and implementation.
  + Check the back-out of lists that where the reload was not successfully completed.
  + Figure out the **lists/networks** are being reloaded or not.
  + Involved in requirements gathering, worked out the designs, prepared the technical design document by attending meetings with the client.
  + Involved **in writing wrapper scripts** for bringing up and down of all the processes,
  + Handled the entire design and development of the application.
  + Also used the concepts of **PDL and Component folding** for efficiency’s sake.
  + Implements framework solution for capturing the **Rejects, Errors, and logs** in each and every process.
  + Perform development of ETL application, including ensuring that system and integration test plans are developed and executed
  + Develop and manage processes, tools and workflows involving data moving within, into, and out of the Hadoop environment
  + Actively promotes and participates in process improvement. Be part of architecture review team and assist in development of processes and applications
  + Provide technical consultation and support in the development of ETL applications and programs for data warehousing class of system
  + Provide critical thinking to develop creative and innovative solutions to the business problem
  + Work in On-site/Off-shore Team, Guide other ETL Developers
  + Develop integration strategies with Firmwide Data Management tools for metadata governance

**Environment:** Ab Initio GDE 3.0, Co>Operating System 3.0, UNIX, Autosys.

# Education:

* Master of Science in Data Analytics from Clark University, Worcester, Massachusetts, USA
* Bachelor of Technology, JNTUH, India.