

# KOTRA LN KOUSIK

## Software Engineer

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### OBJECTIVE

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To Obtain a significant and challenging position as a software engineer in an IT organization wherein I will enhance my domain and technical skills and contribute to company's growth along with my personal growth.

### TECHNICAL SKILLS

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- Databases: Oracle (SQL and PLSQL), SQL Server
- Scripting Languages: Unix Shell scripting, VBA for applications
- Scheduling tool: Control-M
- Version Control: Github, Bitbucket
- Reporting tool: SAP BO, Mobilemetrics, Salesmetrics
- Programming languages: C, Java and Python(Basic)
- Operating systems: Windows, Linux

### EDUCATION

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- Graduated from Mahatma Gandhi Institute of Technology in Computer Science and Engineering with 69.2 %
- Completed Intermediate from Sri Narayan junior college with 95.2 %
- Completed Class 10 CBSE from Harvest School with 9.6 CGPA.

### EXPERIENCE

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#### **Action Labs (June 2019 – Now)**

- **Designation:** Software Engineer
- **Roles and Responsibilities:** ETL Development, Production Support, and testing.

#### **Inrhythm Solutions (October 2018 – June 2019)**

- **Designation:** Junior Software Engineer
- **Roles and Responsibilities:** ETL Development, Production Support, and testing.

### PROJECTS

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#### **JUUL LABS (November 2018 – Present)**

##### **Description:**

Juul Labs, Inc is an American electronic cigarette company. It makes the Juul e-cigarette, which packages nicotine salts from leaf tobacco into one-time use cartridges.

This is an ETL project developed on Oracle database using data warehousing concepts. This project involves ETL work done on the data received from DataMart which contains source tables. We extract the data and load into target tables and then build aggregates for the reporting tool namely Mobilemetrics.

**My Role in the project:**

- Developed ETL processes for weekly, Monthly data load.
- Involved in design, development and testing of Oracle Stored procedures.
- Responsible for analyzing, validating and fixing various data issues.
- Involved in development of the weekly validation data to send the validation reports to the clients.
- Provided production support by interacting with the business-associates and fixing bugs.
- Involved in implementing Folders and Jobs in BMC Control-M and integrating them for Unix, Oracle, Microsoft SQL Server.
- Involved in complete end to end unit and regression testing for the project and shared the documented test cases.
- Involved in complete support to the project till date.
- Developed the automated procedures which give the detailed information about the various processes in Mobilemetrics (Cachemanager, Report scheduler).

**Environment:** Oracle, SSMS, GIT, BMC Control-M, Unix Scripting, Mobile Metrics

**RBH (August 2019 – March 2020 )****Description:**

Rothmans, Benson & Hedges Inc. (RBH) is a Canadian manufacturer and distributor of tobacco products. It was formed by the merger of the Canadian units of Rothmans International and the Benson & Hedges brand –owned by Philip Morris.

RBH BO project is all about providing reporting solutions. This involves creating, configuring and deploying the universes using IDT, followed by visualizing the data with web intelligence rich client.

**My Role in the Project:**

- Requirement gathering from Business Analyst and create the specs for development of Universe using IDT.
- Modified and maintained Universes using Designer module to include objects such as Dimensions, Details and Measures according to the functional specifications.
- Responsible for analyzing, validating and fixing various data issues.
- Created the new Universes as well as customizing the old Universes as per the requirements
- Involved in complete end to end unit and regression testing for the project and shared the documented test cases.
- Created Web Intelligence reports utilizing SQL Queries, as per the Functional Specifications.
- Developed various Charts, Graphs, drill down reports, Vertical and Horizontal Tables using Web Intelligence. Exported reports as Power Point, PDF, Excel or CSV.
- Provided production support by interacting with the business-associates and fixing bugs.
- Creating and automating the scheduling for client's usage
- Involved in effort estimations for development of the reports and Universes.

**Environment:** Information Design Tool, Web Intelligence Rich Client, SAP Business Objects, BMC Control-M

**ITG Brands (January 2019 – Present)****Description:**

ITG Brands is America's third-largest tobacco company and a member of the globally recognized Imperial Brands PLC family. ITG Brands offer some of the best-known cigarette, cigar and vape products in the world. The portfolio of brands includes : Winston, Kool, Salem, Maverick and USA Gold cigarettes; Dutch Masters, Backwoods and Phillies cigars; and blu vape products.

This is an ETL project developed on Oracle database using data warehousing concepts. This project involves ETL work done on the data received from DataMart which contains source tables and files received in various formats. We extract the data, apply transformations, and load into target tables and then build aggregates for the reporting tool namely Mobilemetrics.

**My Role in the Project:**

- Developed the procedures to load dimensions built on data for products and distributors.
- Developed ETL processes for weekly data load.
- Involved in design, development and testing of Oracle Stored procedures.
- Responsible for analyzing, validating and fixing various data issues.
- Involved in development of the weekly validation data to send the validation reports to the clients.
- Involved in complete end to end unit and regression testing for the project and shared the documented test cases.
- Developed a maintainable, well-documented, well-commented and efficient code to automate functional, integration, regression and performance testing of reporting ITG Brands using tool named 'Mobile Metrics'.
- Verified SQL queries against backend database to ensure test codes retrieve the right data on testing.
- Provided production support by interacting with the business-associates and fixing bugs.
- Involved in implementing Folders and Jobs in BMC Control-M and integrating them for Unix, Oracle, Microsoft SQL Server.
- Responsible for configuration of the reporting tool named Sales Metrics.
- Developed the automated procedures which give the detailed information about the various processes in Mobilemetrics (Cachemanager, Report scheduler).
- Involved in complete support to the project till date.

**Environment:** Microsoft SQL Server, Oracle, GIT, BMC Control-M, Unix Scripting, Mobilemetrics, Salesmetrics

**Japan Tobacco Inc. (June 2019 – Present)**

**Description:**

JTI is international tobacco and vaping division of Japan Tobacco Inc, a leading tobacco company in Japan. They make some of the world best-known brands, including Winston, Mevius, Camel, and LD.

This is an ETL project developed on Oracle database using data warehousing concepts. This project involves ETL work done on the data received from DataMart which contains source tables and files received in various formats. We extract the data, apply transformations, and load into target tables and then build aggregates for the reporting tool namely Mobilemetrics.

**My Role in the Project:**

- Developed ETL processes for weekly, daily data load.
- Involved in design, development and testing of Oracle Stored procedures.
- Involved in complete end to end unit and regression testing for the project and shared the documented test cases.
- Involved in complete support to the project till date.
- Responsible for configuration of the reporting tool named Sales Metrics.
- Involved in development of the weekly validation data to send the validation reports to the clients.
- Responsible for analyzing, validating and fixing various data issues.
- Addressed client queries on regular basis through emails and involved in review meetings with Project Managers, developers and Business Associates.
- Developed the automated procedures which give the detailed information about the various processes in Mobilemetrics (Cachemanager, Report scheduler).
- Prepared high/low level documents like design & functional specifications.

**Environment:** Microsoft SQL Server, Oracle, GIT, BMC Control-M, Unix Scripting, Sales Metrics, Mobile Metrics

## PROFESSIONAL SUMMARY

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- 3 years of Industry experience of which the most years are predominantly on Oracle, MS SQL, SAP BO which includes working on development, testing and documentation.
- Developed ETL process to load data into oracle tables by transforming data from source DataMart.
- Expert in Retail Domain.
- Good Knowledge in Oracle Database architecture, SQL and PLSQL.
- Explored the database parameters to tune the performance and data retrieval speed for any complex queries which user reports generate
- Done code deployment to production with smoother process
- Having good written and oral communication skills, acted as a medium of communication between offshore and onsite to collect the development requirements
- Dedicated team player, a self-motivated individual, and a quick learner with excellent interpersonal, analytical, problem solving and communication skills

## ACHIEVEMENTS

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- Reduced ETL execution times to half in ITG, JTI & JUUL by splitting the data into equal splits based on product & time attributes and processing them in parallel through control-M. We have also implemented optimum degree of parallelism & partitioning without which the performance was degraded initially.
- Improved ADHOC reporting & MM cache manager performance by implementing Automatic Big Table Cache/Keep Cache functionality in Oracle which brought down the execution times by 1/3<sup>rd</sup>.
- Reduced report execution times in JTI by more than 60% by implementing Global temporary tables in MM report query formation instead of CTE and making changes to hierarchy patterns for pre-built aggregated tables as per business usage scenarios.
- Initiated & Developed Day Level & Month level Application usage Reports for Sales Metrics.
- Initiated and developed a process for inclusion of unassigned or inactive territories under user impersonation feature in SM.
- Initiated & Developed Weekly validation reports generated after each ETL refresh which provides insights to variations in shipment volume in comparison with mean value based on standard deviation, helps to take better business decisions and automated them by using VBA macros.
- Received Marvel award for the year 2020 from Accion Labs.

## PERSONAL INFORMATION

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- Date of Birth: 07-Dec-1997
- Languages: Telugu, Hindi, and English
- Hobbies: Music, Movies, Dance, Chess and Cricket

## SELF ASSESSMENT

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I hereby declare that the information given above is true to my extent of knowledge and belief.

Place: Hyderabad

(Kotra LN Kousik)