

Vasudevan Mariappan

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with 3+ years of experience in data integration, migration, and optimization. Expertise in integrating systems using SOAP, and REST, and performing data analysis in Big Query. Skilled in automating workflows, delivering actionable insights to drive business decisions. Strong collaborator with a focus on efficient, data-driven solutions.

EDUCATION

Bachelor of Engineering (Computer Science) Chennai Institute of Technology	2016 - 2020 Grade: 8.0/10.0
Intermediate (Class XII) Nadar Higher Secondary School	2015 - 2016 Grade: 91.8%
Matriculation (Class X) Nadar Higher Secondary School	2013 - 2014 Grade: 95.2%

EXPERIENCE

System Engineer January 2024 - Present
Tata Consultancy Services
Teradata – BigQuery Migration
Chennai, India

- Led the development of DataALM components and implemented automated workflows using Automio.
- Utilized Jupyter notebooks to facilitate efficient data transfer and manipulation between tables in BigQuery.
- Conducted comprehensive data analysis to identify and remove duplicates, improving reporting accuracy by 20%.
- Automated reporting processes, reducing manual effort and improving turnaround time for weekly reports by 40%.
- Collaborated with cross-functional teams to optimize data pipelines, improving data accessibility and operational efficiency.

System Engineer May 2022 - November 2023
Tata Consultancy Services
Bullhorn - Hubspot Integration
Chennai, India

- Designed and deployed the integration between Bullhorn and Hubspot, enabling seamless syncing of candidate data.
- Worked with middleware integration technologies including SOAP, REST, and Web Services to connect systems.
- Implemented FTP, SFTP, Database, and HTTP connectors for data synchronization and communication between platforms.
- Supported hyper-care activities and post-deployment monitoring to ensure smooth system functionality.

Assistant System Engineer February 2020 - April 2022
Tata Consultancy Services
Spain – BH Implementation Project
Chennai, India

- Led the integration of Bullhorn ATS with recruitment portals across SIS countries, utilizing Boomi as an iPaaS solution.
- Conducted requirement gathering, system analysis, and technical/functional design to deliver efficient integration solutions.
- Developed and tested scheduled and real-time integrations, including event-based and API-driven processes.
- Collaborated with cross-functional teams to troubleshoot, debug, and implement a standardized error-handling process.
- Utilized tools like Cache, Map, Process Route, and Azure Service Bus for seamless integration and data flow management.

PROJECTS

Chinook Music Store Analysis ([Github](#)) ([Demo](#)) February 2025

- Uncovered key revenue drivers by analyzing sales, customer behavior, and regional trends using advanced SQL queries on the Chinook Music Store database.
- Identified top customers contributing over 25% of total revenue and revealed that North America had 18% higher sales than other regions.
- Enabled strategic marketing recommendations by segmenting customers and tracking genre popularity across markets.

IT Tickets Analysis ([Github](#)) ([Demo](#)) August 2024

- Increased customer satisfaction rate by **10%** by addressing trends in agent performance and request categories.
- Influenced strategic decisions, resulting in **three key IT investments**: additional agent hiring, enhanced training programs, and upgraded.
- Reduced average ticket resolution time by **15%** through data-driven process enhancements.

Sales Performance Analysis & Reporting

November 2021

- Analyzed approximately 500,000 sales transactions across different regions.
- Cleaned and transformed raw data from multiple sources (CSV, SQL databases) to prepare for analysis.
- Improved sales forecasting accuracy by 15%, resulting in more effective inventory management.
- Developed reports that saved 10+ hours per week in manual data processing for the sales team.

CERTIFICATIONS

Data Analysis Using SQL Fractal ([Link](#))

July 2024

Implemented essential SQL techniques for querying and analyzing data in relational databases and covered key concepts such as data extraction, filtering, aggregation, and joins, enabling learners to draw insights from large datasets effectively.

Tableau for Data Science SuperDataScience ([Link](#))

July 2024

Examined the techniques that included data visualization, dashboard creation, data analysis, and advanced Tableau techniques.

Introduction to Data Analysis using Microsoft Excel Coursera ([Link](#))

May 2024

Equipped with fundamental data analysis techniques using Excel, including data manipulation, visualization, and statistical functions, with practical skills to analyze datasets and make data-driven decisions effectively.

SKILLS

Computer Languages: SQL, SQL, Python

Data Tools: Power BI, Power BI

Software Packages: Excel, MySQL, Excel

Soft Skills: Presentation Skills, Verbal/nonverbal communication, Leadership, Decision-making, Critical Thinking, Communication Skills

Others: Spreadsheet, Tableau, Analytics