Sushma Vijayabaskaransushma.vijayabaskaran@gmail.com

**Lead Data Engineer** *+44 0798-576-1025*

LinkedIn: [Sushma Vijayabaskaran](https://www.linkedin.com/in/sushma-vijayabaskaran-74b522148/) *High Wycombe, GB-UK*

Accomplished Data Engineer with over 11 years of experience in data analytics, Data modelling, data warehousing, and security. Expert in designing efficient data processing systems, enhancing data quality, and ensuring compliance. Specialized in managing large CFO transformation programs. Extensive experience in ETL (Extract Transform and Load), Oracle ERP, and EPM modules. Strong project management skills with a background in Finance, Insurance, and Retail domains. Versatile team player with excellent communication and problem-solving skills, adept at fostering collaboration and driving efficiency.

Core Skills

* **Database Querying:** Proficient in PL/SQL, Oracle SQL
* **Scripting Languages:** Expertise in Shell Scripting and Python
* **Data Processing and ETL:** Expertise in ETL processes using DataStage
* **Data Visualization and Reporting:** Skilled in Power BI
* **Cloud Computing:** Proficient with AWS and Google Cloud Platform (GCP)
* **Scheduling:** Control-M Workload Management, Process Scheduler
* **Operating Systems:** WINDOWS, UNIX
* **Version Control:** Proficient with GitHub for version control and collaborative coding

Work Experience

**Team Lead Data Engineer**

*TATA CONSULTANCY SERVICES | Chennai* Jul 2020 - Sep 2022

Financial Data Integration Project - United Services Automobile Association

* Led a team of members to integrate multiple financial systems, including General Accounting Reporting, Planning & Forecasting, and Treasury modules, leveraging the SAFE Agile methodology
* Engineered and deployed comprehensive data pipelines, integrating databases, ensuring accurate and timely financial reporting while achieving data quality and governance objectives
* Involved in system integration ETL testing activities for PeopleSoft and Oracle Cloud ERP in the CFO space
* Managed version upgrades from ETL - DataStage end for PeopleTools and PeopleSoft FSCM application
* Spearheaded the version upgrades for DataStage across all finance modules (GL, AP, AM, EPM, HPCM) within the CFO application
* Coordinated with onshore and nearshore teams on business updates, task updates, clarifications, design discussions, and issue resolution
* Facilitated the CFO Cloud transformation journey by migrating ETL jobs using advanced cloud technologies

**Team Lead Data Engineer**

*TATA CONSULTANCY SERVICES | Chennai* Jul 2019 – May 2020

*Revenue Forecasting System - United Services Automobile Association*

* Led a team of members at offshore (Chennai) in the Maintenance and Production Support team for PeopleSoft, ETL - Datastage & Oracle Cloud Financials
* Proficient in production support activities and resolving end-user issues
* Worked on General Ledger close process for monthly, quarterly and annual closure for the team
* Involved in revenue forecasting using historical data and predictive analytics

**Senior Data Engineer**

*TATA CONSULTANCY SERVICES | Chennai* Nov 2015 - Jun 2019

*Maintenance & Support - United Services Automobile Association*

* Joined the maintenance and support team as a technical ETL (DataStage) Developer, responsible for delivering new developments and small modifications in the PeopleSoft FSCM application
* Provided IT support to business users for ETL jobs from the PeopleSoft Accounts Payable, General Ledger, Treasury, and Asset Management modules
* Automated over 20 ETL jobs to streamline processes in General Ledger and scheduled them to run without manual intervention
* Identified and replaced existing service accounts used in various EPM modules with CyberArk accounts
* Managed the General Ledger close process for monthly and annual closure
* Mentored junior data engineers and facilitated knowledge-sharing sessions.

**ETL Developer**

*TATA CONSULTANCY SERVICES | Chennai* Dec 2014 - Oct 2015

*CFO – EPM Development projects -* *United Services Automobile Association*

* Developed automated workflows to optimize data processing and analysis.
* Developed and maintained ETL pipelines to ensure data integrity and quality.
* Implemented data transformation rules to clean, enrich, and standardize data while conducting performance tuning and optimization of data systems to meet business needs.
* Collaborate with cross-functional teams, including data analysts, data scientists, and business stakeholders, to understand data requirements and deliver solutions.
* Set up scheduling and automation for ETL jobs using workflow management tools to ensure timely data processing.
* Document ETL processes, data mappings, and transformation rules to ensure transparency and ease of maintenance.

**ETL Developer**

*TATA CONSULTANCY SERVICES | Chennai Nov 2011 – Jun 2013 LEGACY REMEDIATION - TARGET*

* Mitigated the impact of aging applications and reduced the total cost of ownership by incorporating new business models.
* Developed and maintained shell scripts to automate routine tasks, enhancing efficiency and minimizing manual intervention by streamlining repetitive processes.
* Debugged and troubleshooted existing shell scripts to ensure they ran correctly and efficiently.
* Unit tested interfaces and documented test cases. Deployed code in dev, FAT, and production environments, providing warranty support post-go-live.

Education

* **Master of Science in Applied Mathematics** Anna University, Chennai, India; 2011
* **Bachelor of Science in Mathematics** Ethiraj College for Women, Chennai, India; 2009

Skills and Certifications

* **Certification:** Certified in SAFE Agile methodology, 2019
* **Oracle PL/SQL:** Advanced proficiency in Oracle PL/SQL, 2015
* **ETL Tool:** Expertise in DataStage 9.1, 2012

Achievements and Awards

* **Technical Leadership:** Completed the TCS Wings 2 program, resulting in a promotion to Technical Lead.
* **Excellence in Production Support and Migrations:** Honoured with the Good Award for outstanding performance in production support and successful migrations at Tata Consultancy Services (TCS).
* **Recognition for Excellence:** Received numerous appreciation and GEM awards at Tata Consultancy Services (TCS) for outstanding performance and contributions.