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Profile Summary: Highly skilled Databricks, Python, DBT and Snowflakes professional with a proven track record in managing complex projects and ensuring successful client engagements. Adept at bridging the gap between technical teams and business stakeholders. Proved the ability as Data Engineer and Data Analyst in various technologies in Retail, Banking & Insurance and Life Science Domain. With business awareness in combination with technology experience enables to streamline infrastructure and applications, providing end to end engineering solutions using various Data Engineering tools.

CORE QUALIFICATIONS

- **Programming:** Python, SQL, PL/SQL, PySpark, SAS, SAS EG, SAS Viya, R, Excel VBA, Linux, Jinja, Excel Power query, Unix, Linux, Shell scripting, Clinical SAS,
- **Cloud:** AWS, Azure
- **ELT and Orchestration**
Tool: DBT, Airflow, Control-M, AWS EMR studio, Data Bricks
- **Application:** Oracle Forms and Reports, Inform Architect, Central designer
- **DevOps Tools:** Jenkins, Git, GitHub, Circle CI, Docker, Kafka, Terraform, Kubernetes, Git bucket
- **Database:** Snowflakes, Oracle, Teradata, SQLDBM, Data Vault
- **Project management:** Collaboration, Teamwork, Communication, Time management, Leadership, Organization, Adaptability, Conflict resolution, Project planning, Agile, Risk management.
- **Data Visualization:** Excel, R Shiny, Tableau, Power BI, TIBCO Spotfire

CERTIFICATIONS

- DBT Fundamentals with Jinja macros & package.
- Snowflakes pro certification course. (Udemy)
- **Python** for Data Science Professional (Edureka)
- **Dev-Ops Engineer** certification (Edureka)
- Digital **R** (Internal)
- Digital **Python** (Internal)
- Digital **Tableau** (Internal)
- Lean **Six Sigma** (Green Belt) certified. (Internal)
- **Machine Language** E2 certified (Internal)
- **Power BI (internal)**

- **Oracle Certified** Professional (OCP Database and Application Developer)
- Certified in **PRINCE2®** (Project management)
- **MICROSOFT FABRIC ANALYTICS ENGINEER** (Course completed)
- **DATA ENGINEERING ON MICROSOFT AZURE** (Course completed)
- **DevSecOps professional level (Internal)**
- Completed training from SAS Institute in **Base SAS, Advance SAS, and SAS BI**
- **Business Analyst using Power BI** (Edureka)

EXPERIENCE

Dec-24- Current

Principal Clinical Insight Analyst, Cytel Inc Ltd, Hyderabad [USA CRO]

- Lead the development and validation of dataset for clinical trials.
- Analyse large datasets to uncover trends, insights and opportunities for improvement.
- Develop dashboards, reports and visualizations to communicate the findings effectively.
- Translate complex data into meaningful insights.
- Work closely with cross functional teams.
- Collaborate with data engineers to ensure data accuracy and availability.
- Advocate for data-driven decision making across the organization.

Mar-21 – Nov-24

Senior Data Engineer, Tata Consultancy Services, London [UK Retail client]

- Providing technical and people leadership for a **6+ team of engineers**, fostering a culture of support and collaboration in the team.
- Responsible for communicating with other stakeholders and involving engineers when needed.
- Collaborate with Product Managers to understand team's capacity and plan accordingly.
- Support Scrum Masters in creating a positive and productive team culture.
- Hands-on participation in Engineering tasks such as coding, peer reviews.
- **Migrated 7+ complex Ab-initio** pipelines in DBT.
- Worked on **Product, Promotions and Pricing** data transformed and loading in Snowflakes.
- Developed data models and database designs to resolve complex data challenges.
- Assessed customer needs and modified existing databases to meet specified client requirements.
- Worked as mentors to our junior/graduate Data Engineers and are responsible for performance reviews of team members.

DBT, SAS, Airflow, SQLDBM, Data Vault, Snowflakes, Circle CI, Kafka, Docker, Terraform, Kubernetes, Python, Jinja, Excel, SQL, Jenkins

Apr-18 – Mar-21

Data Engineer, Tata Consultancy Services, Bangalore [UK Retail Client]

- **Migrated 8+ Ab-initio** codes to SQL and **Orchestrated using** Airflow
- Handled SAS to Python / Py Spark migration and implemented the whole project successfully in AWS EMR.
- Handled Promotion and Ranging strategies end to end in Retail supermarket.
- Developed pipelines that can be used to make predictions and generate reports for the overall business.
- Build data pipelines that clean, transform, and aggregate data from disparate sources.
- Working closely with Scrum Masters and run Jira board.

SAS, Airflow, Snowflakes, Docker, Terraform, Python, Excel, SQL

Feb-17 – Mar-18

Senior Data Analyst /Scientist, Tata Consultancy Services, Pune [UK BSFI client]

- Collaborate with data science team to help build complex algorithms that provide unique insights into our **insurance** data.
- Developed statistically driven sampling tool for auditing purpose of completed cases by operation team in insurance.
- Implemented simplification and automation of Audit process by triggering automatic mails to auditors.
- Developed business scorecard for operation team to monitor high risk cases, which may lead to the failure of monthly SLA to meet cycle time for maturity process.
- Created and maintain rich interactive visualizations through data interpretation and analysis, with reporting components from multiple data sources and Interactive dashboard for business to access the performance of Quality Check process.
- Dashboard and Report designed to quickly analyse the numbers of Gone-Away customers.
- Worked on data preparation and model development for Transfer and Surrender models in insurance and analyzed the impact of different independent variables on the outcome variables using descriptive analysis.

Excel VBA, R , Python, Tableau, SAS, R Shiny, Power BI.

Jul-12 – Jan-17

Clinical SAS Programming-Lead, Tata Consultancy Services, Hyderabad [UK Life science client]

- **Managed** to handle **25+ people** and was single point of contact for client on all aspects of trial setup to close-out.
- **Responsible** for managing **project delivery, metrics, recruitment, training, forecasting, revenue projections** & other **business development activities**.
- Accountable to identify and create opportunities for the team / individuals to grow technically or vertically.
- **Monitored** own **quality of delivery** levels and raised concerns with reporting Manager.
- Planned and completed delegated tasks to a **high standard** delivering work to agreed times.
- Driven the culture of employing six sigma methodologies & encouraged the team to take up different lean projects.
- Worked on developing an algorithm for effective forecasting the work volumes & FTEs required & managed the team utilization effectively.

- Build business case studies and engaging on projects/strategic initiatives for the practice and mock sections.
- Involved in ensuring team contribution towards increasing domain expertise through **contextual training** program.
- **Mentored** and supported new starters, training on unfamiliar systems and briefing on project tasks.
- Provided weekly detailed **project reports** to keep manager informed on milestones and updates.

Apr-11 – Jul-12

SME-Clinical SAS programmer & EDC Developer, Tata Consultancy Services, Mumbai [UK Life science client]

- Designed, developed, and modified computer programs to store, analyze and evaluate clinical data Supported Data Management by planning, designing, validating, and documenting **clinical databases** and **biostatistics** by providing **datasets, tables, listings, for clinical study reports**.
- **Supervised** work of team members to deliver work as per SLA.
- Developed ongoing programs **using good team communication** and collaboration.
- Mentored **5+ batches** of junior/graduate Engineers.
- Assisting the operation manager with **performance reviews** and responsible for personal development by holding **regular 1:1s** with team members.

Oct-09 – Apr-11

Senior Clinical SAS programmer, Tata Consultancy Services, Mumbai [EU Life science client]

- Prepared SAS datasets, Tables, Listings (TL's) Reports, Output Delivery System (ODS) and Summaries according to requirements
- Provided essential training to fresher on SAS standards, Reporting tool and other activity or project related trainings.
- Have good knowledge regarding CDISC processes such as SDTM and ADaM
- Validated **SAS Datasets, Tables, Listing and Figures**
- Worked in **SAS procedures and advance macros**.
- Developed programs in SAS for analyzing data and producing safety and efficacy tables, listings, and figures in specified formats as per SAP for phase I to phase IV trials along with creation of derived data sets as per the specification document for derived data sets.
- Performed quality checks for all the reports generated by the team members and do the validation of new/modified SAS programs and macros.
- Monitored and maintained the clinical database for almost **25+ study** under encoding or cleaning or analysis.
- Created **user defined SAS macros** for complex data analysis and validated SAS programs to help maintain correctness and accuracy.
- Generate listings for data analysis using user defined SAS macros.

Jan-08 – Oct-09

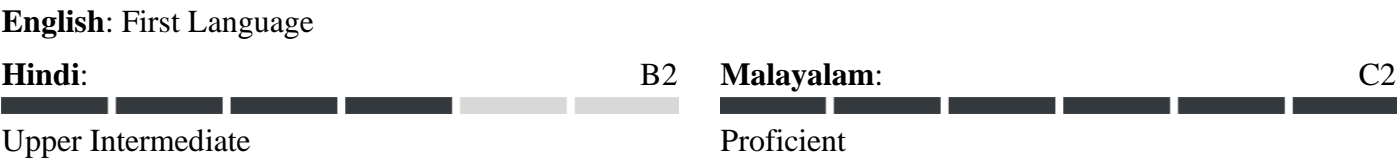
EDC developer & SAS programmer, Tata Consultancy Services, Mumbai [USA Life science client]

- Designed application in RDC tool (inform architect) and developed derived datasets from the different datasets and its peer review.
- Developed macros to handle data efficiently.
- Debugged and analyzed issues and providing solutions and fixes.
- Troubleshoot and debugged software to check and rectify discrepancies

- Designed and developed application & deployment of database on the Database Sever.
- Performed Quality Control Checks and ensure that all SQL scripts followed standard programming procedures.
- Applied various skills to design, implement and improve databases and database applications to decrease resource consumption and boost performance.
- Modified databases to satisfy user requests for performance, stability, or search, testing modifications to verify fulfilment of requirements.
- Collaborated with clients to understand their needs and propose new functionalities for their databases, enhancing the performance and usability of existing or new systems.

ORACLE, Oracle Apps, Excel, Ms Office.

LANGUAGES



EDUCATION

1996	M Tech, Atmospheric Science <i>Cochin University</i> , India (72%) <i>Comprehensive training in understanding, modelling, and prediction of atmospheric processes</i> <i>Coursework on "Turbulence in Atmosphere and effect on Agriculture"</i>
1994	B Ed, Mathematics <i>Kerala University</i> , India (66%)
1993	M Sc, Mathematics <i>Kerala University</i> , India (72%) Computer Science, Operations research as optional.
1991	B Sc, Mathematics <i>Kerala University</i> , India (91%) Physics, Statistics as optional subject

ACCOMPLISHMENTS

- Scored **First Rank** in M Tech
 - **Award** for fix issues in pipeline with no impact from client.
 - Special mention in the company retail price service newsletter for achieving a significant milestone in value and pricing.
 - *Role of Owner* from SIRO Clinpharm Pvt. Ltd., acknowledging the contributions in software development activities and Letter of Appreciation from the Management
- Bagged Client certificates contributions towards the clinical projects
 - Bagged client certificates for performance recognition for “*focused on customer requirement*”, “*strong understanding of work and meeting quality consistently*”.
 - “**Star of vaccines**” certificate for significant contribution as trainer mentor
 - Certificate of Appreciation for the contribution towards Data Management Innovation.