

ABISHEK VARIYAN KANDIYIL

Lead BI Engineer | BI Architect
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PROFESSIONAL SUMMARY

BI and Analytics Leader with 10 years of experience designing enterprise-scale data platforms, modern data warehouses, and self-service analytics solutions. Proven expertise in Snowflake, Power BI, SQL, and cloud-based architectures. Led large-scale reporting modernisation initiatives, real-time analytics implementations, and workflow automation programs that delivered measurable improvements in operational efficiency and business decision-making. Experienced in leading cross-functional teams and driving end-to-end BI delivery from data architecture to stakeholder-facing dashboards.

KEY ACHIEVEMENTS

~50 hrs/year saved Automated Salesforce portfolio member creation using Python scripting, cutting processing time from 7–10 min to 1–2 min across 500+ annual requests.	2–3 hrs/day eliminated Designed end-to-end Cost & Freight analytics platform (Kimball/Star Schema) for OLAM at Systech, replacing a fully manual daily Excel process and saving the team 2–3 hrs of work every day.
SLA breach reduction Built Incident Timeline dashboard that identified root causes of SLA breaches, enabling teams to improve coordination and reduce breach frequency without adding headcount.	Hours saved per request Delivered Excel automation templates (VBA + formulas) for sales assignment workflows; 70% of 600+ annual requests adopted the template, significantly reducing manual effort per cycle.

CORE COMPETENCIES

Data Platforms & Tools Snowflake, SQL Server, AWS, Azure	BI & Visualization Power BI, Tableau
Programming & Scripting SQL, Python (Automation & Data Analysis), ETL Development	Data Architecture Dimensional Modeling, Star Schema, Kimball Methodology, Data Warehousing, Semantic Layer, Pipeline Design
Automation & Integration AWS Lambda, Python Scripting, Excel Automation (VBA & Formulas), API Integration	Business Tools Salesforce, Anaplan, ServiceNow, Microsoft Copilot

PROFESSIONAL EXPERIENCE

Principal Analyst – Data

Autodesk India Pvt Ltd | Bangalore, India | July 2024 – Present
Domain: Construction Technology | Focus: Sales Commissions & Operational Efficiency

- Lead and coordinate a 5-member operations team and a 3-member dashboard & automation team, overseeing delivery of analytics and reporting initiatives
- Automated Salesforce portfolio member creation using Python scripting, reducing processing time from 7–10 minutes to 1–2 minutes across 500+ annual requests — saving ~50+ hours per year
- Developed Excel automation templates (VBA & formulas) for sales assignment workflows — 70% of 600+ annual requests adopted the template, saving hours of manual effort per cycle
- Developed Power BI dashboards for operational analytics, including an Incident Timeline dashboard that identified SLA breach root causes and drove process improvements without additional headcount
- Implemented data governance including Row-Level Security in Power BI semantic models to control access for live-streaming dashboards
- Support Salesforce and Anaplan administration, assisting sales operations and territory management workflows
- Engage cross-functional stakeholders to gather requirements and deliver tailored analytics solutions

Data Analytics Engineer

Trimble Inc. | Bangalore, India | July 2022 – July 2024
Domain: Construction ERP & Field Technology

- Led a 3-member BI team, coordinating activities and communications between onsite stakeholders and offshore team members
- Designed and implemented scalable data models and Snowflake pipelines, optimizing query performance for large-scale analytics workloads
- Led development of enterprise BI dashboards using Snowflake and Power BI, supporting critical business functions and executive decision-making

- Transitioned dashboards from batch processing to live streaming using Snowflake and Power BI, enabling real-time operational visibility

BI Data Engineer

Tiger Analytics | Bangalore, India | February 2020 – July 2022

Domain: Insurance (Pacific Life, AXA, Employers)

- Delivered Advisor Segmentation dashboard used by senior leadership to monitor insurance advisor performance and identify strengths and improvement areas across advisor cohorts
- Led EDA using SQL and Tableau to identify key variables for a data science clustering model; delivered EDA and post-clustering visualisation dashboards
- Performed comprehensive data analysis and quality assurance to ensure accuracy and reliability of reporting

Senior Software Engineer

Systech Solutions | Bangalore, India | July 2016 – February 2020

Domain: Agriculture Exports (OLAM), Media & Entertainment (Fox), Internal Product (Doppler)

- Designed end-to-end Cost & Freight analytics platform for OLAM — Kimball/Star Schema database design, pipeline development, and daily-refresh dashboards; replaced a manual Excel process and processed 10 years of historical data
- Automated MicroStrategy user provisioning and deprovisioning using batch scripts, eliminating manual admin effort for access management
- Contributed scripting and scheduling components to Doppler, an internal job scheduling product
- Built ETL pipelines and data extraction scripts from flat files and APIs into data stores across agriculture and media clients

NOTABLE CONTRIBUTIONS & PROJECTS

Cost & Freight Dashboard – End-to-End Designed and built a complete analytics solution for OLAM (agriculture exports) at Systech as sole contributor — database design using Kimball methodology and Star Schema, pipeline development, BI-ready views, and daily-refresh dashboards. Replaced a fully manual Excel process, processed 10 years of historical data, and saved the team 2–3 hours of manual work every day.	Advisor Segmentation & EDA Led exploratory data analysis using SQL and Tableau to identify key variables for a data science team building a customer segmentation model using clustering. Delivered multiple EDA dashboards and post-clustering visualisation dashboards to surface insights from segmentation results.
Real-Time BI Migration & Data Governance Led migration from batch to live streaming dashboards at Trimble using Snowflake and Power BI. Implemented data governance including Row-Level Security in the semantic model to control user access and ensure data compliance.	Pipeline & Workflow Automation Built AWS Lambda-based workflows and Excel automation templates (VBA + formulas) to eliminate manual data processing across multiple business teams — collectively saving hundreds of hours of effort annually.

EDUCATION

Master of Computer Applications (MCA) <i>Pondicherry University 2016</i>	Bachelor of Science in Computer Science (BSc) <i>Kannur University 2013</i>
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CERTIFICATIONS

- Tableau Desktop Specialist – Tableau Software (2021)
- Data Integration Certification – Systech Solutions (2016)
- Microsoft Fabric Analytics Engineer (DP-600) – In Progress

VOLUNTEERING & COMMUNITY

- KPGIS (Kerala Public Grievance Intelligence System) – Designed and proposed a citizen-facing grievance tracking platform to improve government accountability, submitted as a voluntary public service initiative to Kerala government officials.
- Active contributor to civic data analysis and public awareness initiatives on governance and policy in Kerala.

ONLINE PROFILES & PORTFOLIO

Connect with me or explore my analytics work through the links below:

LinkedIn: [linkedin.com/in/abishek-purushothaman](https://www.linkedin.com/in/abishek-purushothaman)

Tableau Public: public.tableau.com/app/profile/abishek.vk/vizzes

Blog: deraanalytics.wordpress.com