ARCHIT VERMA

+91-8770830112 | reachoutarchit@gmail.com | archit-portfolio

PROFESSIONAL SUMMARY

Software & Data Engineer with 2+ years of experience building backend systems and automation tools for enterprise-scale BI migration. Expertise in Java, Python, and metadata processing, translating complex BI models across Tableau, Power BI, and Qlik Sense into migration-ready artifacts. Proven track record in developing rule-driven automation engines and contributing to AI-assisted workflow solutions to drive platform modernization.

CORE SKILLS

- **Languages:** Java, Python, TypeScript, SQL
- **Backend & Frameworks:** Java Backend Development, API Design, Rule-Based Processing Engines, Automation Utilities, LangGraph
- **Data & Databases:** Relational Databases, Metadata Modeling, Schema Replication, Data Lineage, BI Metadata Extraction
- **AI & Innovation:** AI-Assisted Analysis, Multi-Agent Workflows, Structured Metadata for LLMs, Feasibility Prototyping
- **Tools & Platforms:** Tableau, Power BI Service, Qlik Sense, Git, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

Product Engineer | Cognizant | *Dec 2023 – Present*

Backend Development for BI Migration Platform

- Designed and developed Java-based backend utilities to automate the migration of BI reports and semantic models across Tableau, Power BI, and Qlik Sense ecosystems
- Built a robust metadata extraction engine to parse BI model files, capturing data sources, schemas, tables, columns, and transformations for downstream migration workflows
- Enabled secure validation by replicating client database schemas with dummy data in internal environments, allowing full BI migration testing without accessing production data
- Developed a rule-based complexity analysis engine in Java to evaluate report structure, transformations, and interdependencies, directly supporting migration planning and effort estimation
- Enhanced estimation accuracy by preparing structured BI metadata for AI models, enabling AI-assisted evaluation of migration complexity and risk
- Contributed to early-stage research on an AI-powered BI migration solution using Python, LangGraph, and multi-agent workflows, focusing on automation feasibility and orchestrating report conversion
- Collaborated with cross-functional teams using Git and CI/CD to deliver production-ready features, converting Tableau metadata into staging artifacts for Power BI semantic model generation

PROJECT HIGHLIGHTS

- **BI Migration & Automation Platform:** Built core Java utilities that parse Tableau files to generate Power BI semantic models, streamlining automated report publishing and reducing manual effort.
- **AI-Driven BI Migration (R&D):** Currently prototyping multi-agent workflows to automate report conversion, validation, and decision-making, aiming to transform the migration lifecycle.

EDUCATION

Bachelor of Technology | Rajiv Gandhi Proudyogiki Vishwavidyalaya | “2019 – 2023”