Peter Steven Venton

BI Engineer specialising in Microsoft Fabric, semantic modelling, and governed data pipelines. Skilled in delivering scalable, production ready BI solutions across the full Microsoft analytics stack.

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WORK EXPERIENCE

Bunzl - Tri-Star Packaging   **Dec 2023 - Present**
Business Analyst   *Essex, UK*
- Led the migration of 100+ SAP BusinessObjects reports into Power BI Paginated Reports using SQL and Report Builder, delivering scalable, audit ready reports used in compliance and daily operations.
- Designed and maintained governed semantic models across Sales, Stock, Purchasing, and Finance using advanced Power BI modelling techniques (calculation groups, disconnected tables). Improved alignment, consistency, and reusability across all reporting.
- Built Power Apps solutions integrated with Dataverse and Power Automate, resolving technical blockers through coding and architecture knowledge to deliver maintainable, scalable apps.
- Rebuilt a business critical Power Automate flow that previously failed weekly, redesigning it with error handling, guard clauses, idempotency and clean architecture. Eliminated failures and saved 6+ hours/week in manual fixes.
- Led the redesign of the data warehouse to better support Power BI, delivering cleaner data models and a measurable improvement in reporting performance.

PurpleTreeFunding   **Jun. 2023 – Aug. 2023**
Risk Analyst - Internship   *Fort Lauderdale, FL*
- Conducted in-depth credit assessments with a team on 100+ loan applications using machine learning algorithms (Logistic Regression and Decision Trees), resulting in a 15% reduction in risky loans and improved portfolio quality.
- Automated key steps in the risk assessment workflow using Python, reducing processing time by 20%.

Samsung Electronics   **Jul. 2022 – Jan. 2023**
Payments Analyst - Internship   *Frankfurt, DE*
- Analyzed product usage data using Python (NumPy, Pandas, Matplotlib, Scikit-learn) and delivered insights used in stakeholder and executive presentations.
- Initiated a project using a pre-trained sentiment analysis model to scrape data from Reddit, gathering 10,000+ points of customer feedback from a segment not typically accessible through conventional means like email surveys.

EDUCATION / CERTIFICATIONS

Frankfurt School of Finance & Management   **Jun. 2023**
Bachelor of Science in Business Administration with a major in Economics   *Frankfurt, DE*
- Achieved the highest grade of my year in: Data Analytics using Machine Learning, Mathematics, Introduction to Programming, Applied Research Methods

Certifications
- DP700 - Microsoft Certified: Fabric Data Engineer Associate
- DP600 - Microsoft Certified: Fabric Analytics Engineer Associate
- PL300 - Microsoft Certified: Power BI Data Analyst Associate
- Mensa - Member of Mensa UK

ADDITIONAL INFORMATION

Languages
- English (Native)
- German (Fluent)

Technical Skills
- **Microsoft Fabric:** Lakehouse, Data Factory, Pipelines, governance, workspace design
- **Power BI / DAX:** Semantic modelling, complex measures, calculation groups, time intelligence
- **SQL:** CTEs, performance tuning, indexing, execution plans
- **Python:** Pandas, NumPy, scikit-learn for wrangling, automation, and analysis
- **Power Automate:** Enterprise grade flow design with clean architecture patterns
- **Power Apps & Dataverse:** Model driven apps, business logic, integrations
- **Cloud:** Azure & AWS (core analytics, compute services)
- **Other:** TypeScript & React (internal tools, prototypes)