

**Strategic Business Intelligence Engineer | 10+ Years of Expertise in Data Science, Data Analytics & Data Engineering.**  
Proven in developing BI strategies, managing teams, and driving efficiencies. Master's degree holder skilled in Budget Management, Financial Reporting, Predictive Analytics, Data Transformation, Data Governance, Data Management, Visualization, Data Quality Checks, Big Data Analytics, and AI/Machine Learning Analytics. Proactive 'Go-getter' adept at data analysis, BI tools, and innovative solutions, with a successful track record at Meta, PwC, and Atlassian.

**Core Skills:** SQL • Python • Tableau • Excel • Power BI • Workday • ThoughtSpot • Google Suite • Salesforce • ServiceNow  
**Data Warehousing & Analytics:** Snowflake • Redshift • Databricks • Hadoop • Azure Data Factory • Airflow • Fraud Analytics • Data Governance • Risk Modeling • Data Wrangling • ETL • Data Validation • Regulatory Reporting (Basel, CCAR)

## WORK EXPERIENCE

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|--|---------------------------|
| <b>PwC</b>   | Remote, California        |
| <i>Data Analytics Engineer</i>   | Oct 2024 - April 2025     |
| <i>Client: Capital One</i>   |                           |
| <ul style="list-style-type: none"><li>• Part of a Risk Data Warehouse Modernization initiative, where I lead requirement gathering sessions between data owners, developers, finance stakeholders and risk and compliance teams. Spearheaded data analysis of <b>fraud and risk data pipelines</b> as part of the <b>Basel, OCC, FRB, and CCAR compliance</b>.</li><li>• Conducted <b>end-to-end data validation and reconciliation</b> using <b>SQL, Python, Excel</b>, and <b>Google Sheets</b> to ensure regulatory requirements and data quality during warehouse migration.</li><li>• Collaborated across <b>risk/compliance teams, application owners, and technical stakeholders</b> to translate business requirements into scalable data architecture.</li><li>• Partnered with data engineers to optimize <b>ETL workflows in Apache Airflow</b>, reducing data latency and improving transformation automation.</li><li>• Built <b>Tableau dashboards</b> to monitor data pipeline health and surface key quality indicators for executive reporting.</li><li>• Authored reusable <b>Python scripts for manual data insertions</b>, streamlining ad hoc data support and issue resolution.</li><li>• Led <b>data standardization and transformation</b> to align with internal governance policies and regulatory requirements.</li></ul> |                           |
| <b>Atlassian</b>   | Remote, California        |
| <i>Data Scientist - Confluence Product Analytics</i>   | Mar 2024 - Sep 2024       |
| <ul style="list-style-type: none"><li>• Supported <b>Product Managers</b> with data-driven decision-making as part of a <b>centralized Data Science team</b> for Confluence.</li><li>• Led <b>experimentation and A/B testing</b> using <b>Statsig</b>, enabling rapid iteration on feature rollouts, including <b>Generative AI functionality</b> across Atlassian products.</li><li>• Engineered scalable <b>data pipelines in Databricks</b> to automate workflows for product analytics and experimentation at scale.</li><li>• Built and maintained <b>self-service dashboards in Tableau, Databricks, and Amplitude</b>, giving cross-functional teams intuitive access to KPIs and behavioral insights.</li><li>• Developed <b>financial reports</b> leveraging predictive modeling techniques to forecast trends and inform strategic planning.</li><li>• Analyzed <b>user behavior and interaction metrics</b> for new AI-powered features to optimize user engagement and adoption.</li><li>• Collaborated with engineering and product teams to translate analytical insights into <b>measurable product improvements</b>.</li></ul>  |                           |
| <b>NCRVA - Northern California Retina Vitreous Associates</b>  | Mountain View, California |
| <i>Senior Data Analyst</i>   | Aug 2023 - Mar 2024       |
| <ul style="list-style-type: none"><li>• Developed executive-level <b>dashboards and reports in Power BI, Excel</b>, and <b>Athenahealth</b>, enabling real-time visibility into revenue cycle performance and clinical operations.</li><li>• Built advanced analytics tools including: <b>Month-End Revenue &amp; Cash Flow Reports   Accounts Receivable Dashboards   Rebate and YoY Analysis   No-Show Forecasting Algorithms   ML-Driven Doctor Scheduling Tool</b></li><li>• Led an initiative on <b>employee tenure analysis</b> using HR and organizational data to support <b>leadership hiring decisions</b>; delivered a <b>real-time Power BI dashboard</b> to forecast tenure trends and inform workforce planning.</li><li>• Automated business workflows using <b>PowerApps</b> and <b>Power Automate</b>, reducing administrative overhead and improving decision turnaround time.</li><li>• Designed and implemented automated <b>patient eligibility &amp; authorization verification pipelines</b>, significantly cutting manual processing time and costs.</li><li>• Built <b>data warehouse pipelines</b> leveraging <b>Microsoft Fabric, Dataverse, Snowflake</b>, and <b>Athenahealth</b> to centralize and streamline clinical and financial data.</li></ul>   |                           |

- Partnered with executive leadership and cross-functional teams to identify process bottlenecks and deliver data-driven operational improvements.
- Established **data governance** standards for HIPAA compliance, access controls, audit logging, and data quality management.

**PwC**

*Data Scientist/ Data Analyst*

Menlo Park, California

Apr 2021 - July 2023

*Client: Meta*

- Built interactive dashboards using **Tableau**, **ThoughtSpot**, and **Unidash** to deliver real-time insights on workforce operations, recruiting metrics, and vendor compliance.
- Partnered with **HR** and **Recruiting Leads** to gather and translate analytical requirements into scalable solutions using **Presto**, **HIVE**, and **Python**.
- Developed analytical apps and tools (e.g., **SOC**, **RQMS**, **RRI**, **FTE** and **Open PIDs Trend & Historical Tracker**) for internal teams using **Tableau**, **JavaScript**, and **Google Apps Script**.
- Automated headcount planning exercise, significantly reducing manual efforts using Tableau, JavaScript and **Google Suite**.
- Led **Global Contingent Workforce OPEX Analysis** to identify cost-saving opportunities through SQL-driven modeling and executive dashboards.
- Engineered and maintained data pipelines in **Dataswarm** and **HIVE**, ensuring consistent data availability and governance.
- Conducted **attrition analysis**, budget forecasting, and compliance monitoring for third-party vendor audits, driving operational efficiency.
- Created end-to-end process documentation and governance standards for scalable data practices.

*Client: Wells Fargo*

- Analyzed enterprise policy and control data to identify **risk exposure and compliance gaps**.
- Developed **Python scripts for text extraction** from regulatory and policy documents, enabling structured analysis of unstructured data.
- Partnered with **ML engineers** to preprocess extracted text for classification models, supporting scalable risk assessments.

*Client: Citi*

- Created **Tableau dashboards** to visualize risk scoring, compliance trends, and control effectiveness for leadership.
- Collaborated cross-functionally with **technology, business, and compliance teams** to align analytical workflows with regulatory standards and internal policies.
- Contributed to **regulatory compliance initiatives** by enhancing document transparency and streamlining audit processes.

**Autism Business Solutions LLC**

Malibu, California

*Business Intelligence Engineer*

Mar 2020 - Mar 2021

- **BI Solution Design & Development:** Designed and spearheaded the development of a subscription-based BI application for Autism Business Solutions LLC, serving as a virtual CFO tool for autism service providers.
- **Strategic Collaboration & Insight Development:** Collaborated extensively with a CFO (PwC Partner background, multiple organizations) to define requirements and validate the strategic relevance of financial and operational insights delivered by the BI platform.
- **Full-Stack BI Platform Integration:** Engineered a robust BI platform utilizing Power BI for advanced analytics and visualizations, integrated with Power Apps, HTML/JS, and Laravel for a comprehensive and scalable solution.
- **Automated Insight Generation:** Implemented automated KPI tracking and anomaly detection, providing in-depth business insights and generating actionable suggestions for improving financial, operational, and clinical performance.
- **Key Performance Indicator (KPI) Expertise:** Developed and visualized critical business metrics, including:
- **Financial/Profitability:** Total Commission Revenue, Gross Margin, Operating Margin, various Gross Margins (e.g., BT, CD, Supv Gross Margin %).
- **Operational Efficiency:** Clinical Labor % of Revenue, Support Costs per Billed Hour, BillHour Productivity %, BillHours per BizDay, BT Leverage Ratio, and Teletherapy % of Billed Hours.
- **Workforce Performance:** Supv Productivity %, BT/RBT Voluntary Turnover %, Supv Voluntary Turnover %, and Compensation Costs (e.g., BillHour Comp Costs, BT Comp per BillHour).

## Earlier Experience:

*Data Analyst | Digital Transformation – Moghul Foods | Jul 2019 – Mar 2020*

*Data Scientist - Natural Language Processing – Stefanini | Nov 2018 – June 2019*

*Application Developer | Web Analytics – QMI Group Inc. | Nov 2016 – Mar 2018*

*Statistician | Research Assistant – Lawrence Technological University | Feb 2015 – Aug 2016*

## EDUCATION

**Lawrence Technological University**

Master of Science (M.S.) in Information Technology (Business Intelligence & Data Analytics)

Southfield, Michigan

2015 - 2017