

PRUDHVI RAJ MANDAPELLI

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SUMMARY

Data and BI Analyst with 5+ years of experience in data modeling, integration, and analytics. Skilled in defining user stories, analyzing defects, supporting agile product development, and collaborating across teams to align data solutions with business goals. Experienced in backlog refinement, cross-channel integration, and test case validation within Agile and SAFe environments. Known for strong analytical thinking, a growth mindset, and effective time and stakeholder management in product delivery environments. Actively seeking a mid-level BI role in a collaborative hybrid environment, where I can contribute hands-on to data-driven business decisions while expanding expertise in forecasting, visualization, and stakeholder reporting.

EDUCATION

Master of Science, April 2024

Lindsey Wilson University, KY , Columbia

Major: Information Technology Data Analytics.

GPA: 3.84

Bachelor of Technology, May 2017

Jawaharlal Nehru Technology University, Hyderabad, India.

Major: Computer Science.

TECHNICAL SKILLS

Programming Languages: SQL, Java, Python, R language and C Programming.

ETL Tools: Informatica Power center, Abinitio, Tableau Prep.

Reporting/ Data Visualization: Tableau, JSON, SAP Business Objects, Power BI and Tibco Spotfire.

Reporting/BI Skills: Creating moderately complex reports, dashboards, and KPI scorecards.

Research & Analysis: Skilled in data mining, hypothesis testing, and root cause analysis.

Core Competencies: Data Visualization, Forecasting, KPI Reporting, Root Cause Analysis, Stakeholder Communication, Dashboard Design, Ad Hoc Reporting

Analytics Tools/ Database: SAS (Enterprise Miner and Guide), MS SQL, Teradata, Amazon Redshift, RDBMS and NOSQL.

Cloud Technologies: Microsoft Azure, AWS.

Big Data Ecosystems: Hadoop, HDFS, Hive and Spark.

Development Methodologies: Waterfall, Agile, Scaled Agile (SAFe).

Version Control/Reporting: GIT, SharePoint, AUTOSYS.

CERTIFICATIONS

- Oracle Certified Professional, Java SE 6 Programmer, 2015, AWS Solutions Architect, AWS cloud Practioner

EXPERIENCE

Data & BI Analyst,

UnitedHealth Care, Sunnyvale, California, USA, April 2024 – Present

- Designed, developed, and maintained interactive dashboards and reports using Power BI / Tableau, presenting actionable insights on key business metrics to stakeholders and mid-level management.
- Extracted, transformed, and loaded (ETL) data from multiple sources including Salesforce, Workday (ERP/CRM systems), and cloud databases, ensuring data consistency, integrity, and quality through validation and cleaning techniques.
- Conducted exploratory data analysis (EDA) and identified patterns, anomalies, and trends using SQL queries, supporting decision-making processes across business operations.
- Collaborated with cross-functional teams to gather requirements, defined report specifications, and ensured reports aligned with evolving business objectives and user needs.
- Provided root cause analysis and performance reporting, recommending operational improvements based on KPI analysis and historical data trends.
- Enabled leadership to optimize operational workflows and reduce processing time by 15% through actionable insights provided in customized Power BI dashboards.
- Automated recurring data processes and reporting tasks using SQL, enhancing reporting efficiency and reducing manual workload.
- Applied time-series forecasting and predictive modeling to project business trends and capacity planning needs.
- Conducted cost-benefit analysis on operational changes, supporting executive decision-making with quantitative data.

- Collaborated with mid-level management to interpret dashboards, deliver performance insights, and support business planning.”
- Supported ad-hoc analysis requests, presenting findings through well-structured visualizations and written summaries to technical and non-technical stakeholders.
- Applied statistical methods to forecast trends and assess cost-benefit scenarios for potential business initiatives.

Business Analyst,

Stripe INC, USA, March 2022 - April 2024

- Wrote and optimized SQL queries to extract and analyze data from various campus systems.
- Supported data analysis for digital payment products, including ACH and credit card transactions to improve operational efficiency and user experience.
- Monitored transaction trends and payment behaviors, delivering insights on card processing performance, authorization declines, and settlement timelines.
- Created dashboards in Tableau and Power BI to visualize payment volumes, conversion rates, fraud patterns, and chargeback rates.
- Partnered with Risk, Payments, and Compliance teams to align data pipelines with PCI and KYC/AML standards.
- Wrote and optimized SQL queries to analyze transaction funnels from onboarding to final settlement.
- Built ETL pipelines to integrate gateway logs, financial metrics, and customer data for business-ready datasets.
- Performed root cause analysis for payment failures, reducing transaction issues by 20%.
- Participated in sprint planning and Agile ceremonies to prioritize payments reporting enhancements.
- Delivered recurring and ad hoc reports on payment KPIs to finance and operations leadership.

Senior Data Analyst,

Wipro Limited, Hyderabad, India, July 2021 – December 2022

- Interacted with direct clients to gather business requirements and prepared detailed project documentation.
- Led project planning, resource allocation, headcount forecasting, and budget estimation.
- Developed Power BI dashboards to track team and employee performance, increasing reporting efficiency by 40%.
- Analyzed consumer demand trends and forecasted seasonal patterns, helping improve operational planning accuracy by 25%.
- Performed code migration and deployment across DEV, SIT, UAT, and PROD environments.
- Participated in sprint planning and assigned workflow tasks in JIRA to align with scheduled releases.
- Led sprint planning and participated in iteration reviews, ensuring alignment of analytics goals with product strategy.
- Analyzed post-deployment defects and coordinated with QA teams for root cause resolution.
- Developed business use cases to support forecasting dashboards and seasonality models for client stakeholders.
- Owned backlog grooming and iteration planning activities in alignment with product vision.
- Acted as a bridge between technical and non-technical stakeholders to ensure clarity and alignment on product features.
- Strong verbal and written communication, documentation, and cross-functional collaboration skills.

Business Intelligence Analyst,

Wipro Limited, Hyderabad, India, July 2020 – June 2021

- Wrote complex SQL queries with joins, window functions, and subqueries to extract data from Oracle, MS SQL, and Teradata systems.
- Led ETL, reporting, and data integration for Google Analytics applications, improving data refresh time by 30%.
- Developed dynamic dashboards and reports in Power BI using advanced filtering techniques, enhancing stakeholder insights by 35%.
- Automated data interfaces using Unix Shell Scripts and scheduled jobs using AUTOSYS.
- Collaborated with onsite teams to resolve post-implementation defects and ensured smooth project stabilization.
- Built and deployed ETL and reporting pipelines using Azure Data Factory in cloud environments.
- Defined user stories and acceptance criteria in collaboration with stakeholders using JIRA and Confluence.
- Participated in backlog grooming and sprint planning using SAFe Agile practices.
- Worked with diverse data formats including flat files, XML, and JSON for data ingestion and transformation.
- Analyzed and resolved UAT and production defects, improving reporting reliability by 30%.
- Collaborated with business units to create use cases and document data-driven features for BI tools.

ETL Developer,

Wipro Limited, Hyderabad, India, March 2019 – June 2020

- Developed robust Informatica mappings using a variety of transformations and created efficient SQL/stored procedures.

- Integrated data from diverse sources including SQL Server, Oracle, Flat Files, and XML, improving data processing efficiency by 25%.
- Applied dimensional data modeling techniques, including ER modeling, Star and Snowflake schemas, and FACT/dimension tables.
- Designed and implemented Slowly Changing Dimensions (SCD) types 1, 2, and 3, reducing data inconsistency issues by 30%.
- Contributed to defining ETL transformation rules and mapped use cases for data migration from legacy systems.
- Worked closely with cross-functional teams to ensure successful integration of cloud data pipelines across business units.

RELEVANT MASTER'S COURSE WORK:

- Data Management, Data Warehousing & Business Intelligence, Principles of Data Analytics
- Information Security, Distributed Systems, IT Strategy & Business Value
- Software Planning & Development, Data Structures & Algorithms
- Social Media Analytics, Project Management, Business Statistics

PROJECTS

AdWords payments – SQL |Teradata | Informatica | Power BI

Data is integrated from multiple source systems and transformed as per the business rules and generated dashboards to draw insights.

Anti-Money Laundering – Abinitio | MS SQL| Power BI

Data is integrated and transformed, fraud possibilities and occurrences are detected using various Analytic tools like Abinitio and Power BI. Documented key use cases and acceptance criteria to guide fraud detection analytics development.

Pensions – Informatica | Teradata

Data is migrated from legacy mainframe systems to Teradata by applying business rules using ETL tools. Participated in defining test scenarios and validating ETL outputs against business rules during system migration.

Data Drive – Google Sheets | Tableau Prep | Tableau

A single source, where data of multiple accounts is stored in a standardized format using Google forms. The backend data captured in the sheets is analyzed & visualized through dashboards. Pathways to the drive are created for the entire data.

