Sannidhi Acharya

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(Open to Relocate)

SUMMARY

Experienced **Product Owner** with **4+** years of expertise in analyzing complex datasets, designing and optimizing **ETL** pipelines, and driving data-driven product strategies. Proficient in **SQL**, **Tableau**, **Python**, and cloud platforms, with a strong command of **Agile** methodologies to ensure efficient and timely project delivery.Demonstrated success in delivering impactful solutions at leading organizations such as **McKinsey** and Oracle. **Actively seeking opportunities** to lead complex analytics projects and develop advanced product management strategies.

SKILLS

- **Databases:** Snowflake, Microsoft SQL Server, MySQL, Oracle, PostgreSQL, Azure, Apache Spark
- **Programming Languages:** SQL, Python (NumPy, Pandas, Matplotlib, Scikit-learn, PyTorch), Power Query, DAX
- **Tools & Libraries:** AWS, Azure, SSMS, Jupyter, Spark, GCP, NetBeans, GitHub, Visual Studio Code, JIRA, Confluence, MIRO, Figma, Axure RP, Selenium, Excel
- **Data Visualization:** PowerBI, Tableau, Tableau Prep Builder, Metabase
- **Data Integration:** Alteryx, DOMO, KNIME, Fabric, Databricks, Talend, SQL Server

WORK EXPERIENCE

MCKINSEY & COMPANY   Boston, US
Product Owner   Jan 2023 - Sep 2024
Internal McKinsey Data Platform

Built a platform to unify data across clients, geographies, industries, and domains for streamlined insights and decision-making.

- Drove user adoption on data platforms by leveraging **ETL**, cloud technologies, and data insights to evaluate product fit and strategies
- Used advanced **SQL techniques** such as **window** functions, **subqueries**, and **CTEs** to generate insights and support **ad hoc** analysis for decision-making.
- Accelerated data processing by 40% using **Azure Databricks**, Data World, **Power BI**, and **Power Query** enabling faster data-driven decisions and improving operational efficiency by 35%
- Increased customer engagement by 20% year-over-year by analyzing usage data and conducting A/B tests to inform data-driven product enhancements. Utilized **DOMO** and **Tableau** to track experiment outcomes
- Conducted user research to understand the persona and needs of first-time data platform users, leveraging insights to design intuitive workflows and craft a seamless user experience
- Integrated comprehensive documentation to support product improvement initiatives, identifying and addressing areas for optimization to enhance functionality and user experience
- Conducted walkthroughs and **UAT testing** to identify user pain points, define user journeys, and develop product proposals that addressed key challenges and improved overall experience
- Streamlined data workflows by enhancing data quality controls and building end-to-end pipelines, ensuring accurate and reliable data across product lines
- Integrated analytics and Tableau Cloud with **AWS Redshift**, **Lambda**, and **S3** to build robust cloud data pipelines, data warehouses, and interactive dashboards, enabling real-time, self-service insights
- Embraced the importance of user-centered design, actively involved in the product development process, and recognized the value of incorporating user feedback to drive product improvements and product road mapping
- Delivered multipurpose demos to stakeholders, showcasing the capabilities of the data platform to drive engagement, create awareness, and highlight its potential for strategic decision-making

Client: NHS Hospital, UK
Role: Data Engineer

Sought a cost-effective alternative to Alteryx for ETL processes, focusing on reducing expenses while maintaining or enhancing data integration efficiency and functionality.

- Evaluated the technical capabilities of the product by developing and optimizing **ETL** workflows using Domo, KNIME, Fabric, and Metabase with **Snowflake**, integrating and transforming data across multiple sources to assess scalability, reporting efficiency, and real-time analytics performance
- Identified and resolved schema design gaps, optimizing table structures and ETL workflows to enable a seamless transition to Snowflake, reducing storage costs by 20% and improving query performance

- **Collaborated with cross-functional teams** to translate business requirements into detailed technical specs, aligning with the product roadmap for seamless delivery
- Optimized data integration processes by implementing **KNIME**, resulting in a 30% increase in efficiency and enhanced data quality, and generated impactful insights by standardizing and automating ETL pipelines using Snowflake
- Developed client-facing documentation and integrated it into the firm's knowledge base, ensuring accessibility and supporting user adoption of key features and processes

ORACLE FINANCIAL SERVICES SOFTWARE   **Mumbai, India**
Data Engineer / ETL Developer   **Sept 2018 - Aug 2021**
Client: HDFC Bank (Second Largest Bank in India)

Project1: *Optimized data workflows and ensured user-friendly design while adhering to government regulations to enhance the security and efficiency of the Java-based banking application*
- Spearheaded the implementation of continuous integration, testing, and deployment for banking applications, regularly updating **CI/CD** scripts to enhance integration workflows
- Optimized database performance, delivered insights, and contributed to Agile-driven solutions, ensuring efficient data integration and reporting
- Architected ETL pipelines in Alteryx to ingest, profile, cleanse data, and load it into Tableau for automated dashboard reporting
- Engaged with cross-functional teams in an **Agile** framework to collect detailed business requirements and translate them into precise technical specifications using Business Requirement Documents (BRDs)
- Worked closely with cross-functional teams to analyze user action data, deriving insights to improve the user experience and drive key product enhancements in the net banking application
- Built optimized PL/SQL queries to extract, transform, and load (ETL) user action and application performance data, improving data accuracy and reporting efficiency
- Worked in Agile methodologies, participating in sprint planning, daily stand-ups, and retrospectives to ensure efficient project progress and timely product delivery
- Developed and maintained scheduler jobs to automate data workflows, ensuring timely and efficient data processing for net banking user data
- Participated in the full **Software Development Life Cycle (SDLC),** collaborating with cross-functional teams to define product requirements, design solutions, and ensure successful implementation and deployment
- Optimized and tuned **SQL** queries, resulting in a **70% improvement** in database performance and loading speed
- Managed an Agile team, facilitating SCRUM meetings to advance the development of data solutions. Designed and maintained data pipelines using PL/SQL and **Python**, supporting the architecture of data marts and data warehouses
- Developed and optimized complex SQL queries to extract data from Oracle databases, managing 49 million customer records across 110+ tables, resulting in a 40% reduction in execution time and a 25% increase in retrieval efficiency

Project 2: *Spearheaded the Oracle SQL Server upgrade for a wealth management platform*
- Led the end-to-end upgrade of the **SQL** Server for a wealth management application, including comprehensive post-production support
- Enhanced query performance by optimizing SQL scripts, leading to faster data retrieval and improved system efficiency for key financial operations
- Provided end-to-end support during the upgrade process, including system testing, troubleshooting, and post-live monitoring to ensure smooth post-upgrade functionality
- Conducted thorough risk assessments, identified potential issues, and implemented proactive solutions to ensure uninterrupted service during the upgrade process
- Worked closely with stakeholders to ensure the upgraded **Oracle** SQL infrastructure aligned with the company's strategic goals for scalability and long-term performance
- Delivered clear documentation and knowledge transfer sessions to the internal team, fostering a better understanding of the upgraded system and ensuring long-term operational success

PROJECTS

IMDB Movie Data Analysis
- Pipelined large-scale data of IMDB from multiple database sources and integrated it into SCDs using Talend
- Utilized Tableau to tabulate, drill down, and design various custom analytical dashboards depicting critical KPIs
- Built BI Dashboards to get visual insights about popular actors, directors, genres, and box office by total sales

- Orchestrated ETL workflows in Talend to load all tables (22 million +rows) in a scheduled manner within 70 mins

Chicago Crime Data Analysis
- Designed star schema dimensional model with 8 Dimensions and 1 fact using Alteryx, maintained referential integrity
- Executed data profiling and data cleaning using Alteryx on 99682 rows of data and loaded into PostgreSQL
- through staging tables to track the growth of crime rate and type of crime in Chicago
- Optimized 70+ ETL jobs to ensure one-click load to the entire data warehouse by parallelization
- Translated the data to dashboards in Tableau to get the rolling count of victims of crime in different age groups

Apartment Leasing System
- Designed a complete database schema for an apartment leasing system using SQL Developer, capturing key entities like apartments, tenants, leases, payments, and maintenance requests
- Created an Entity-Relationship (ER) model to define the relationships between system components, ensuring a well-structured and efficient data system
- Developed and optimized SQL queries for tasks like managing leases, updating tenant details, calculating rental fees, improving data handling and accuracy
- Generated detailed reports and insights on occupancy rates, payment histories, and lease renewals to help property managers make informed decisions

RECOGNITIONS
- Chosen as a mentor for the Protothon 5.0 competition organized by the APMC (Aspiring Product Managers Club)at Northeastern University, guiding participants through product development and innovation processes
- Recognized as the only team member from the Net Banking team at Oracle selected for an onsite opportunity early in my career, showcasing exceptional performance, dedication, and potential

EDUCATION

NORTHEASTERN UNIVERSITY **Boston, US**
MS in Information Systems **Dec 2023**

B M S INSTITUTE OF TECHNOLOGY & MANAGEMENT **Bengaluru, India**
B.E (Hons.) Electronics & Communication Engineering **June 2018**