Mutia Safira

Business Data Analyst - Project Manager Data Analyst

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SUMMARY

A highly skilled Project Manager Data Analyst with strong expertise in data analytics, automation, and software development. Experienced in managing cross-functional teams and leading data-driven projects to optimize business processes. Proficient in analyzing complex datasets from production, quality, engineering, and finance using SQL, Python, and Power BI, leveraging advanced data querying languages such as SQL, DAX, and M to drive strategic decision-making. Adept at developing interactive dashboards, forecasting models, and electronic SPC systems with real-time SQL Server integration. Skilled in business application development using Mendix, Microsoft Forms, Power Automate, and Power Apps to enhance automation and digital transformation. Additionally, well-versed in front-end and back-end software development, including C#, ASP.NET, and Python. A results-oriented leader with a strong technical foundation, ensuring seamless integration between data analytics, business intelligence, and system development.

EXPERIENCE

Project Manager Data Analyst
06/2024 - Present

PT. Jabil Circuit Indonesia ↗

- Managed Data-Driven Projects - Led various data-driven projects from planning to implementation, overseeing cross-functional teams to ensure timely and business-aligned project delivery.
- Processed Data Across Multiple Divisions - Managed and analyzed data from production, quality, engineering, and finance divisions using statistical programming tools to support operational efficiency and strategic decision-making.
- Developed Interactive Dashboards - Built Power BI dashboards, including production performance, production scheduling, forecast planning, and electronic SPC, to enable real-time monitoring and data analysis.
- Integrated Data from SQL Server - Extracted and processed data directly from SQL Server, combining it with statistical programming tools to ensure accurate analysis and comprehensive insights.
- Business Application Development - Designed and developed applications using Mendix, Microsoft Forms, Power Automate, and Power Apps to support process automation and digital transformation.
- Collaborated Across Departments - Worked with stakeholders across departments to align data and application development with the company's business objectives.
- Enhanced Data Quality and Processes - Led data cleanup initiatives using statistical programming tools, ensuring data accuracy and reliability while optimizing workflows through digital technology.

CORE-IE Software Developer Apprentice
06/2023 - 06/2024

Collins Aerospace ↗

Front-end Development:

- Designed and implemented responsive and visually appealing user interfaces (UI) for various website projects, including e-CPS, CORE-X, and Dashboard Cell Shaft, ensuring alignment with business requirements and stakeholder expectations.
- Enriched the use of simple algorithms to improve the functionality and responsiveness of the interface, adhering to software best practices to deliver optimal user experiences.
- Implemented cutting-edge technologies such as HTML, CSS, and JavaScript to create an optimal user experience, considering business requirements and collaborating with other stakeholders for feedback and iteration.

Back-end Development:

- Developed the back-end to support the core functions of websites, including data management, user authentication, and database interaction using ASP.NET Core MVC, while ensuring alignment with business requirements and stakeholder needs.
- Implemented CRUD (Create, Read, Update, Delete) operations accompanied by the use of simple algorithms to ensure efficient access and manipulation of data, following software best practices to maintain code quality and scalability.

- Using the C# programming language to develop robust and efficient back-end solutions.

System Integration:

- Ensured efficient and coordinated operation between front-end and back-end in system development, collaborating with other stakeholders to understand their needs and integrate their requirements seamlessly.
- Using the appropriate programming language for the platform being used, such as C# for .NET-based systems.
- Contributed to developing Automated Optical Inspection (AOI) systems using Python to improve the efficiency and accuracy of optical inspection, while adhering to software best practices and considering business requirements for effective integration.

Data Structure and System Design:

- Deepened knowledge and skills in data structures to optimize CRUD operations and enhance application performance, following software best practices and considering business requirements for scalable and efficient system design.
- Implemented system design principles to plan scalable, efficient, and maintainable system architectures, collaborating with other stakeholders to ensure alignment with business goals and requirements.

3D Modeling:

- Created framework models in the form of 3D images according to given specifications, collaborating with other stakeholders to understand their visualization needs and ensure alignment with business requirements.
- Utilized skills and knowledge in 3D modeling to support projects involving visual representation and modeling, while adhering to software best practices for efficient and accurate modeling processes.

Process Improvement:

- Identified and proposed improvements in software development processes, including the development of AOI systems and 3D modeling, collaborating with other stakeholders to gather feedback and address their pain points.
- Participated to the implementation of necessary changes to refine the quality and speed of development, while considering software best practices and business requirements for sustainable process improvement.
- Assisted in resolving issues encountered during software or other system development, collaborating with other stakeholders to implement effective solutions and ensure alignment with business goals and requirements, with a focus on debugging to identify root causes of issues and implement appropriate fixes.

Software Engineer — 07/2021 - 12/2021
Habibi Garden ↗

Developed Farming Business Analysis Calculator for Habibi Garden Application (Front-end):

- Designed and implemented a farming business analysis calculator to provide actionable insights and support data-driven decision-making for agricultural businesses.
- Ensured the calculator's user interface (UI) was responsive, user-friendly, and aligned with best practices to facilitate efficient user interactions and analysis.
- Collaborated closely with cross-functional teams, integrating front-end features with back-end data systems to ensure seamless data flow, accuracy, and reliability in analysis results.

Created Google Maps Feature (with Markers) for Habibi Garden Dashboard:

- Developed an interactive Google Maps feature within the Habibi Garden dashboard, allowing users to visualize, filter, and analyze customer locations geographically for strategic decision-making.
- Implemented marker functionality to enable detailed analysis of customer distribution, identifying trends and opportunities for targeted business strategies.
- Enhanced the performance and responsiveness of the map feature, ensuring smooth user interaction and improving the efficiency of location-based data visualization.

EDUCATION

Agricultural Engineering — 08/2018 - 01/2023
Padjadjaran University - Bachelor of Agricultural Technology

Thesis Research – Designed a monitoring system for nutrition quality and microclimate in nanobubble-based hydroponics, developing multiple projects using C++ for sensor data acquisition, Java (Node-RED) for system configuration, and MQTT for data transmission. The research findings were published in a SINTA 2-indexed journal (DOI: 10.23960/jtep-l.v12i2.470-483).

CERTIFICATES

Basic Power BI Training 2024 (Malaysia, Penang) ↗
JABIL

SKILLS

Version Control (GitHub)	Intermediate	Power BI	Advanced
DAX (Data Analysis Expressions)	Advanced	SQL	Intermediate
M Language (Power Query M)	Advanced	Statistical Analysis	Intermediate
		Communication	Advanced
Business Process Automation	Intermediate	Problem-solving	Advanced
		Collaboration	Advanced
Application Development	Intermediate	Python	Intermediate
Management Project	Intermediate	Data Visualization	Intermediate
Database Management	Intermediate	Business Intelligence Tools	Intermediate
Power Query	Advanced	Data Modeling	Advanced

LANGUAGES

English	Intermediate