data analyst - consultant - business analyst - software developer

PORTFOLIO

By FUAT ARI

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As an analytics professional with a keen interest in the world of data, I am passionate about uncovering the stories hidden in numbers and optimising business processes in a data-driven way.

introducing

ABOUT ME

Hello! I am Fuat Ari. I am a Business and Data Analyst with a passion for data. I love making sense of data, optimising business processes and supporting strategic decisions. I aim to add value to businesses by combining my technical skills with effective communication.

VISION

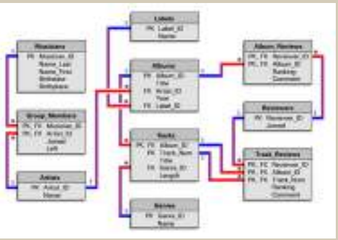
My mission is to use data analysis and software solutions to strengthen companies' data-driven decision-making processes and make business operations more efficient, thereby contributing to sustainable success.

personal SKILLS

My sharp analytical thinking makes it easy to understand complex data sets and generate unique solutions, while my strong communication skills enable me to effectively share technical findings and foster team collaboration.

Power BI Reporting

Junior Flutter Developer



Database Design

MS Access Development

Business Analysis

Production Planning Expert

MS SQL, My SQL, MariaDB, Azure

T-SQL, VB, Python, Java

Visio, Excel, Workbench,

EDUCATION

As an Industrial Engineer, I offer business benefits. I specialise in increasing efficiency, optimising processes and gaining competitive advantage through data-driven decisions. I am here to contribute to the growth of your business and achieve sustainable success.

1996 - 2001

Bachelor Degree

Kocaeli University
Industrial Engineer

work EXPERIENCE

Experience is the ability to turn our past mistakes into future success. With 21 years of experience, I am ready to share my experiences.

Industry experience

- procurement
- modular construction
- textile production
- food industry
- construction
- metal industry
- lighting production
- consulting
- product owner
- software development

2 years

BUSINESS & DATA ANALYST — JRL Group Ltd

Power BI report development and publishing — UK-London

2 years

FINANCIAL DATA ANALYST & CONSULTANT — Sportmen Button LTD

Data analysis and consulting — TR - Istanbul

3 years

PROCUREMENT MANAGER — His Catering

Procurement, Production planning, management and data analysis — TR - Istanbul

8 years

PRODUCT OWNER — Diginio Software Development and Digital Agency

Product Owner, Production planning, planning and production consulting, management and data analysis — TR - Istanbul

4 years

PROCUREMENT & COST CONTROL MANAGER — LC Waikiki

Procurement, cost control and reporting — TR - Istanbul

4 years

Planning Engineer — Veksan Lighting

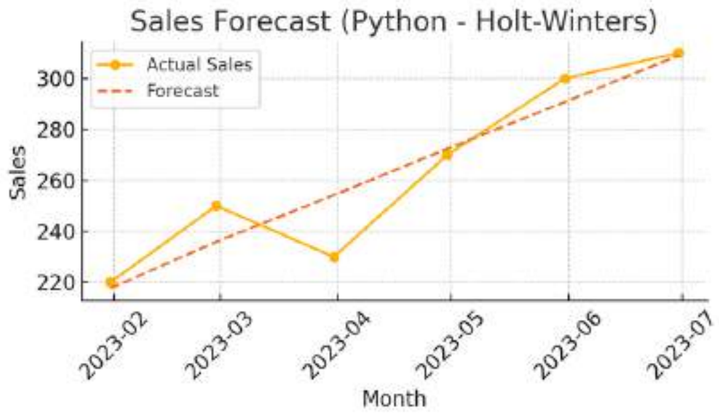
Production management and planning, production reporting and tracking — TR - Istanbul

DATA ANALYSIS WITH T-SQL, PYTHON & POWER BI

I integrate T-SQL, Python, and Power BI to perform end-to-end financial and operational analysis. Below are brief examples from my work:

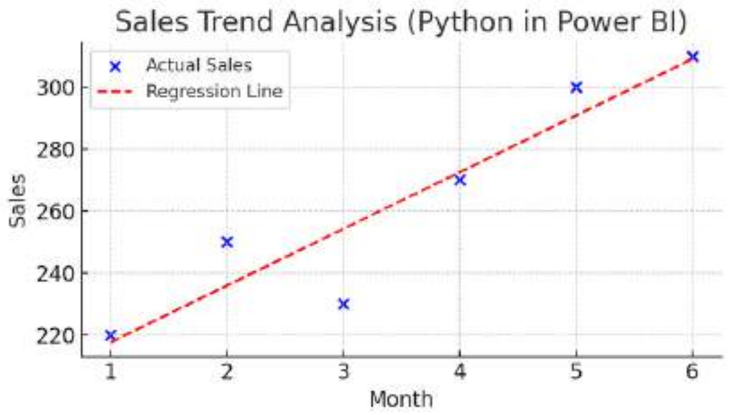
```python
import pandas as pd
import matplotlib.pyplot as plt
from statsmodels.tsa.holtwinters import ExponentialSmoothing

data = [220, 250, 230, 270, 300, 310]
model = ExponentialSmoothing(data, trend='add')
fit = model.fit()
plt.plot(data, label='Gerçek Satış')
plt.plot(fit.fittedvalues, label='Tahmin', linestyle='--')
plt.legend(); plt.show()
```

Sales forecast created with Holt-Winters method using Python. Visual integrated into Power BI dashboards.




```sql
SELECT
  Year, Month,
  SUM(Sales) AS Total,
  LAG(SUM(Sales)) OVER(PARTITION BY Month ORDER BY Year) AS PrevYear,
  SUM(Sales) - LAG(SUM(Sales)) OVER(...) AS Diff
FROM SalesData
GROUP BY Year, Month
```

This query compares monthly sales across years using the LAG() window function. Used in Power BI for trend visuals.



Using Python in Power BI

In my Power BI reports, I use the Python visual feature to create advanced analytics and custom visuals.

In the example above, I applied linear regression to sales data to highlight the sales trend clearly.

These visuals go beyond standard Power BI charts, allowing me to uncover deeper insights from the data.

POWER BI PROJECT

Project to analyse the data obtained from personnel tracking software for 5000 employees of 50 companies. JRL Group. UK. London

Power BI

THE MAIN PURPOSE OF THE PROJECT:

To view and analyse the location, company, employee and the working time of the employees of external companies in the field in a single report.

DATA COUNT: 50 million records

DATABASE: MS SQL

- ETL done
- In terms of design, I developed a certain theme throughout the group and used the same theme for each company.

POWER BI PROJECT

The project of reporting the results obtained from the software used for the production of columns, walls, stairs and various products produced for the modular construction area with Power BI. It is designed for accounting and production management. JRL Group. UK. London

Power BI

THE MAIN PURPOSE OF THE PROJECT:

The purpose of the project is to monitor the status of the products in production by the production manager and some sub-teams. In addition, the accounting unit can follow the dispatch notes created from this report.

DATA COUNT: 2.8 million records

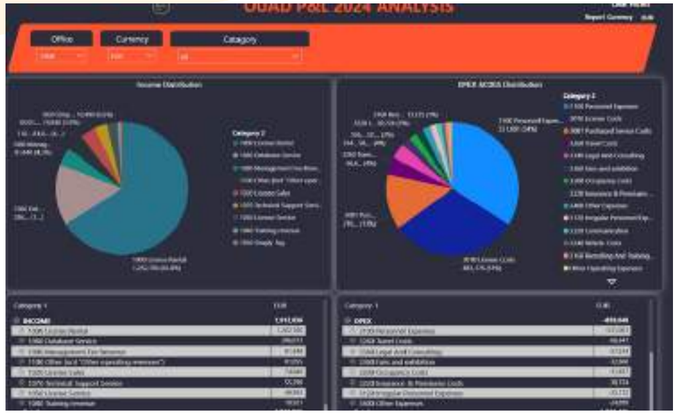
DATABASE: MySQL

- ETL done
- In terms of design, I developed a certain theme throughout the group and used the same theme for each company.

POWER BI FINANCIAL REPORTING

Actively involved in cleaning, analyzing, and visualizing financial data. Created cash flow, expense tracking, and budget variance reports using Excel, Power Query, and T-SQL. Developed sales, cost, and profitability dashboards in Power BI, supporting strategic decision-making.
Built automated reporting systems using ERP data, reducing manual workload. Identified data inconsistencies and proposed process improvements based on root cause analysis.
Additionally, used Python to develop sales forecasting models through time series analysis, regression, and moving averages. These forecasts contributed to more accurate stock planning and budget projections.

Power BI



THE MAIN PURPOSE OF THE PROJECT:

The primary goal of this project is to support decision-making processes by enabling faster and more accurate analysis of financial data. Through automated reporting systems, sales forecasting models, and data visualization tools, the project aims to deliver meaningful insights to management, optimize business processes, and contribute to strategic planning.

DATA COUNT: 1 million records

DATABASE: Excel ,MS SQL

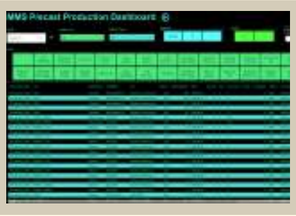
Created a unified visual theme for all companies to maintain consistency in reports and dashboards. The ETL process was completed, making the data clean, reliable, and ready for analysis.

POWER BI OTHER PROJECTS

I have done Power BI and Excel SQL reporting in many areas. These are examples.

Power BI

- ETL (Extract Transform Load) processes have been applied.
- The design of the reports is based on the KPIs of the company.
- Reports can be followed on web and mobile.
- The databases used are generally databases such as MS SQL, MySQL.
- About the report models, it is generally tried to be modelled with the star model. However, some data sets may not fit them.



Sportmen Button LTD

It is a report that reports the differences between the delivery date of production orders and the actual delivery date. It also reports in which workshops the orders are processed. It also reports the total order quantity and amounts

McMullen Nottingham

The reporting processes of the project, whose software I designed with MS Access, were made with Power BI. The company's production movements, inventory tracking, total order amounts, logistics tracking can be monitored on the web and mobile.

McMullen Ireland

It is a web project where the sales and purchasing data in Microsoft Navision are compared and the top 10 customers and suppliers are compared.

Trend Precast

It is a reporting system where all production, loading, total production, date comparison, production schedule comparisons are made.

His Catering & Diginio Digital Agency

Food cost analysis, project performance analysis, labour follow-up are the reports in which data such as analyses are analysed. There are also reports I have made in textile, furniture and various other sectors.

PROCUREMENT MANAGEMENT

In the food industry, I ensured just-in-time procurement for production sites, enabling seamless operational flow. Through strategic procurement planning and inventory management, I optimized delivery times while reducing costs. I effectively led my team to ensure alignment between production and procurement processes.

IMPROVING PRODUCTION EFFICIENCY WITH DYNAMIC SUPPLY CHAIN MANAGEMENT

In the food industry projects I worked on, I restructured the supply chain to ensure production processes could quickly adapt to changing demands. The primary goals of the project were to provide just-in-time procurement to production sites, control costs, and maintain quality standards.

As part of the system infrastructure improvement project, I implemented a detailed reporting system (T-SQL) to identify bottlenecks within the supply chain. This analysis revealed that the delivery times of certain materials negatively impacted the production schedule and caused imbalances in inventory levels. To address these issues, I redesigned the data architecture in the ERP system, enabling regular evaluation of supplier performance and facilitating just-in-time material deliveries. Additionally, I developed reporting dashboards tailored to each department's perspective, ensuring all teams could contribute effectively to the overall supply chain objectives.

Furthermore, I created alternative supplier pools to ensure continuity in the procurement of critical materials, achieving cost advantages. By optimizing procurement processes, I reduced delivery times by 20%, balanced inventory levels, and cut excess inventory costs by 15%. With a strategy of achieving more sales with less stock, I improved overall operational efficiency by 15%.
This project enhanced operational efficiency, ensured timely fulfillment of customer orders, and provided long-term improvements in the company’s supply chain management.

MICROSOFT 365 DEVELOPER

I have developed data analysis, workflow automation, and integration solutions using tools like Power BI, SharePoint, Microsoft Forms, Teams, OneDrive, and Power Automate within the Microsoft 365 ecosystem. Through these technologies, I have optimized corporate processes, enhanced collaboration, and strengthened decision-making mechanisms. By combining low-code and code-based development approaches, I design efficient and scalable solutions.

"Expert in Transforming Data into Power with Microsoft 365!"

I optimize processes, accelerate workflows, and generate value from data using Power BI, SharePoint, Teams, and Power Automate.

With my innovative digital transformation solutions, I help businesses work smarter and more efficiently!

Power BI

I analyzed corporate data to create visualized dashboards and KPI reports. I developed dynamic and real-time reports with SQL, SharePoint, and OneDrive integrations.

SharePoint

I automated document management processes by creating custom SharePoint lists and libraries. I improved workflows by integrating SPFx and Power Automate for enhanced efficiency.

Power Automate

I accelerated processes by creating email notifications, data synchronization, and automated workflows. I developed end-to-end automation solutions by integrating Power BI, SharePoint, Forms, and Teams.

Microsoft Forms

I created forms for automated data collection and analysis processes, visualizing the results with Power BI. Through Forms + Power Automate integration, I developed survey and feedback systems.

OneDrive

I enhanced document management by enabling data synchronization between OneDrive and SharePoint. I provided solutions to prevent data loss by developing automated backup and version control systems.

DATABASE DESIGN PROJECT

I have done a lot of database design during my business life.
I have developed applications on data structure in many projects.

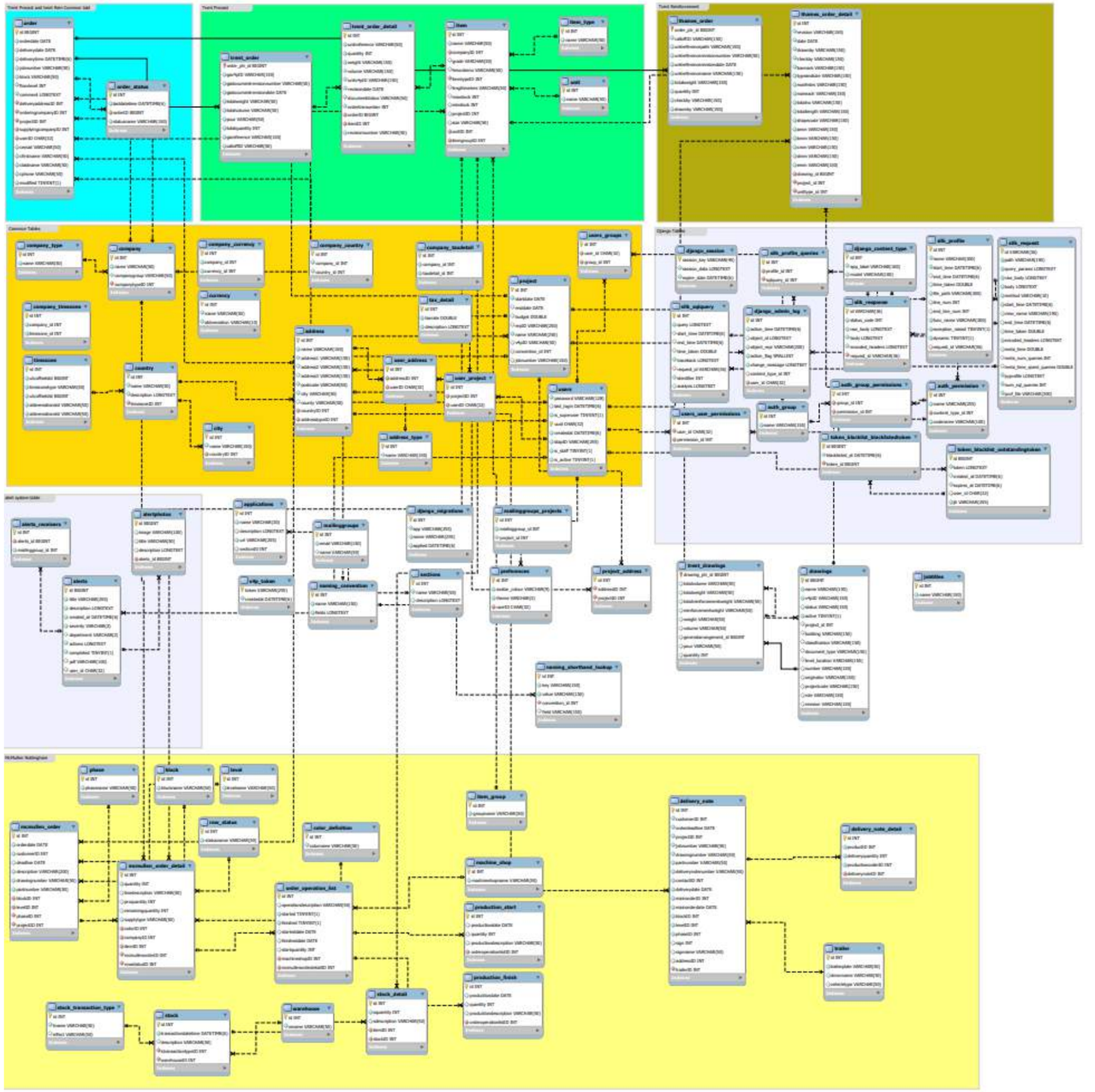
THE MAIN PURPOSE OF THE PROJECT:

The last db design I developed was to work on a single database that could store the data of each company separately for a software that would be used by 20-25 manufacturing companies. 4 companies were integrated in the project. The project is ongoing. You can see the schema on the side.

DATA ESTIMATE: 8 million records

DATABASE: MySQL

- Used MySQL workbench for schema
- There are 140 tables in total. The project will be completed with an estimated 600 - 700 tables.



MS ACCESS DEVELOPMENT

I have designed many MS Access projects. The most recent project I have developed is the software used for the production of metal balconies, roofs, supports, etc. to be used for construction.

THE MAIN PURPOSE OF THE PROJECT:

To follow the stage of the product according to the determined route in production, to follow the material stock, to prepare delivery note and relate it to the order, to make instant situation analysis, to prepare product recipe, to calculate and report the production costs of the product according to the variant choices.

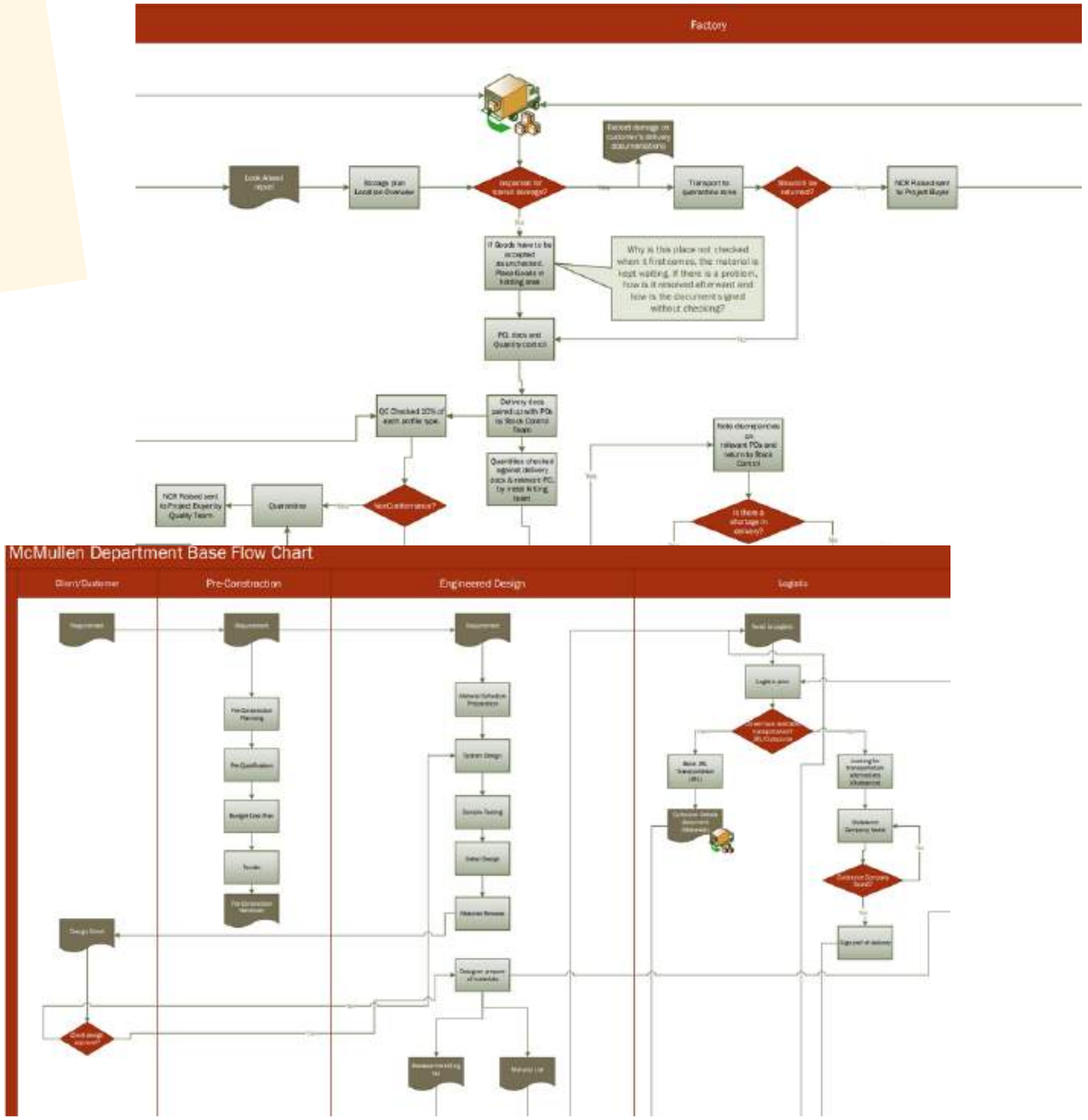
DATA ESTIMATE: per year 200.000 records

DATABASE: MariaDB

- T-SQL was used in the software design. It is also coded with VBA.
- A user manual has been prepared for the end user.
- With nearly 700 validations, user errors have been minimised.
- The production process is tracked by barcode.
- ODBC connection used

BUSINESS ANALYSIS CASE

IIs analysis is part of the name. I use MS Visio for all my analyses. I also make use of Figma. Flowcharts help me to understand the business and show me how to take steps in the software or reports to be created. In my last project, I prepared a flowchart for a manufacturing company in which I specified the relationship between all departments.



THE MAIN PURPOSE OF THE PROJECT:

It is to ensure that the processes are recorded on paper in order to identify the points where the company that cannot follow the stock loses money financially. The processes that need to be improved have been identified.

- The company used 3 software programs. There was no integration between these softwares. Therefore, Excel was used for data mapping. This was causing loss of time and money. The main purpose is to prevent this loss.

Visio Figma

PERSONAL MAIN LOGIC

Data drives analysis, analysis enables informed decision-making, and informed decisions pave the way for sustainability.

Data is the cornerstone of critical decision-making processes in any organization. Proper collection and analysis of data enable clear insights into complex problems. This analysis not only helps understand the current situation but also facilitates strategic and informed decision-making for the future. These decisions play a vital role in achieving sustainability-focused goals, such as efficient resource utilization, operational efficiency, and minimizing environmental impact. In conclusion, a data-driven approach is an indispensable tool for both short-term success and long-term sustainability.

CONTACT

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