



Talal Alhawaj

Data Analyst | Backend Developer

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Profile

Data analyst with a background in database systems and account management, offering a strong foundation in SQL, Python, Java, C#, Power BI, and Excel. Skilled at translating complex data into actionable insights and aligning technical solutions with business objectives to solve real-world challenges. Motivated by continuous learning and dedicated to delivering impactful, data-driven outcomes that drive efficiency and innovation, with a growing focus on data engineering and predictive modeling.

Highlighted Skills

- **Data Analytics:** Excel, SQL, Python, Machine Learning and AI
 - **Data Visualization:** PowerBI, Tableau
 - **Programming:** Javascript, Typescript, C#, Python
 - **Frameworks:** Node/[Express.js](#), React, Django
 - **Database systems:** Oracle SQL, MSSQL, PostgreSQL, MongoDB
 - **Soft Skills:** Critical Thinking, Problem Solving, Leadership
 - **Languages:** Arabic(Native), English(Fluent)
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Data Analytics Experience

Data Analytics Immersive Bootcamp Fellow, General Assembly, Bahrain

Jun 2025 - Sep 2025

Projects:

1. **Postgraduate Certifications: Effects on Employability & Salary Progression** — Analyzed a global survey using **Python** and **SQL** to compare career outcomes by education level; built a **Power BI** dashboard that highlights employability and salary-growth patterns and provides recommendations for graduates.
 2. **Bahrain's Trade Venture Analysis** — Used **Python** to analyze **imports, exports, and re-exports**, mapping money flows and identifying top-performing products; delivered research-backed insights via **Power BI** and **Tableau** dashboards.
 3. **Airbnb Excel Analysis (Japan)** — Leveraged **Excel** and **Power Query** to clean and analyze Airbnb data, producing an investor-oriented overview with recommendations on property types and locations.
 4. **Bahrain Imports Analysis** — Built an interactive **Power BI** dashboard (with **Power Query** for ETL) to surface top commodities and trends, supplemented by research explaining Bahrain's import-market drivers.
 5. **Airbnb Tableau Analysis** — Designed a comprehensive **Tableau** dashboard summarizing Airbnb performance across segments, supported by concise research insights.
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Software Development Experience

Bachelor's Degree in Database Systems, Bahrain Polytechnic

Sep 2022- EXP May 2026

1. Django To-Do List App

- Built a full-stack task management app using **Django** with a **MongoDB** backend.
- Implemented **user authentication**, **CRUD** task operations, and a clean, responsive UI.
- **Optimized** database **queries** and integrated reusable Django components.

2. Rental System Web Application (.NET)

- Developed a rental management platform using the **.NET Framework** with a **SQL Server** backend.
- Implemented booking logic, inventory tracking, and administrator management features.
- Designed **normalized SQL tables** and **optimized stored procedures**.

3. Workflow Automation Platform (PERT Stack) – *In Progress*

- Designing a **workflow automation system** for **HR onboarding**, using the PERT stack (**PostgreSQL, Express/Node, React, TypeScript**).
- Developed **workflow builder logic**, **role-based access**, and draft **API endpoints**.
- Building a **FastAPI microservice** for **CV parsing**, focused on **extracting** contact info, skills, and experience sections.
- Integrating **n8n-compatible JSON** compilation for **workflow execution**.

Other Experience

Account Management Specialist, Unipal	Sep 2023 - April 2024
<ul style="list-style-type: none">• Managed client accounts using CRM tools, maintaining up-to-date records and streamlining administrative processes.• Conducted outreach campaigns to assess client satisfaction, address concerns, and identify retention opportunities.• Presented tailored service offerings and negotiated contract renewals, contributing to increased client retention.	

Education

• Bachelor’s Degree in Database Systems, Bahrain Polytechnic	EXP May 2026
• Data Analytics Immersive Bootcamp, General Assembly, Bahrain	Sep 2025