



# 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.

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### 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**.

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## Other Experience

### Account Management Specialist, Unipal

Sep 2023 - April 2024

- 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**.

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## Education

- Bachelor's Degree in Database Systems, Bahrain Polytechnic
- Data Analytics Immersive Bootcamp, General Assembly, Bahrain

EXP May 2026  
Sep 2025