

Youssab Ayman

Motivated Junior Backend Developer with experience in Node.js and a strong foundation in data analysis using Power BI. Proficient in SQL for database management and manipulation, with hands-on experience in MVC architecture using C# and SQL. Skilled in developing efficient backend systems and leveraging data insights to drive business decisions.

Experience

Junior Backend Developer – Tech Yard Company, Cairo, Egypt | 2025 – *Present*

- Develop and maintain backend services using Node.js and Express.js to support web application functionality.
- Work with SQL databases to design, implement, and optimize queries for efficient data management.
- Collaborate with cross-functional teams to integrate server-side logic with front-end elements.
- Troubleshoot and resolve backend-related issues, ensuring high performance, security, and scalability.
- Contribute to the development of APIs and backend architectures to streamline business operations.

Data Analyst Intern – Amit, Cairo, Egypt | 2022

- Gained hands-on experience in Power BI, focusing on data visualization and creating insightful business intelligence reports.
- Developed dashboards and reports to present actionable insights for better decision-making.

Software Development Trainee – National Steel Fabrication Co. – NSF Egypt, Cairo, Egypt | 2021

Skills

Backend Development:

Node.js, Express.js, C#, MVC Architecture, RESTful APIs, API Integration

Database Management & Data Modeling:

SQL, MySQL (Workbench / “Shark”), MongoDB (Mongoose), Database Design and Optimization

Data Analytics & Visualization:

Power BI, Excel, Data Analysis, Data Visualization, Data Modeling

Content Management & Web Development:

WordPress Development, WordPress Theme and Plugin Customization, SEO Optimization for WordPress

Soft Skills:

Problem-Solving, Analytical Thinking, Team Collaboration, Communication, Public Speaking, Conflict Management, Team Player, Excellent Time Management Skills

Other Tools & Systems:

Proficient with Workday

Education

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- Improved software efficiency by troubleshooting and resolving coding issues.
- Saved time and resources by identifying and fixing bugs before product deployment.
- Translated company requirements into written use cases to ensure clear communication and alignment with development teams.

Education

Bachelor's Degree in Computer Science – Future University, Cairo, Egypt | 2023

- **GPA:** 2.4
- **Graduation Project:** Face Recognition Attendance System
 - Developed an application integrated with a mobile app to capture attendance through facial recognition.
 - The app identifies the user's face, logs the attendance, and sends the details (date and time) to the user's account.

Certifications and Training

- **Microsoft Office Certification – Microsoft | 2019**
 - Completed certification program in Microsoft Office, gaining proficiency in Excel, Word, PowerPoint, and Outlook for enhanced productivity and professional use.
- **Training at National Steel Fabrication Co. – NSF Egypt – National Steel Fabrication Co. – NSF Egypt | 2021**
 - Improved software efficiency by troubleshooting and resolving coding issues.
 - Saved time and resources by identifying and fixing bugs before product deployment.
 - Translated company requirements into written use cases to ensure clear communication and alignment with development teams.
- **Training at Amit (Power BI) – Amit | 2022**
 - Gained hands-on experience in Power BI, focusing on data visualization and creating insightful business intelligence reports.
 - Developed dashboards and reports to present actionable insights for better decision-making.

Projects

Backend Development with Node.js - E-commerce Platform

- Developed a scalable e-commerce platform using Node.js and Express.js to handle backend operations, including user authentication, product management, and order processing.
- Integrated SQL databases for managing user data, inventory, and transactions, ensuring efficient data storage and retrieval.
- Optimized backend APIs for performance, enabling the platform to handle high traffic and large transaction volumes seamlessly.
- Implemented security measures to protect user data and ensure secure payment processing.

C# & SQL - Max App (Windows, MVC Architecture).

Project: Tech yard Website – Full Backend with Node.js & MongoDB (Mongoose)

Built the complete backend architecture for Tech yard website using Node.js, Express.js, and MongoDB with Mongoose ODM for efficient and scalable data modeling.

Designed and developed RESTful APIs to manage user registration, login (with JWT authentication), product listings, shopping cart, and order management.

Structured MongoDB schemas using Mongoose to efficiently handle relational-like data for products, users, and orders.

Integrated error handling, middleware, and route validation to improve backend maintainability and security.

Ensured backend performance and scalability through database indexing and optimized query logic.

Collaborated with frontend developers by providing clear API documentation and consistent data contracts for seamless integration.

Supplier Quality Analysis with Power BI

- **Developed an interactive dashboard** using **Power BI** to analyze and visualize **supplier quality metrics**, including defect rates, production times, and delivery performance.
- **Integrated data from multiple sources** (Excel, CSV, SQL) to create a unified dataset, enabling comprehensive analysis of supplier performance over time.
- Utilized **Power Query** for data transformation and **DAX (Data Analysis Expressions)** to create dynamic and calculated metrics such as quality score, defect trends, and production efficiency.
- Created visually engaging **charts, graphs, and KPI indicators** that provide actionable insights to improve supplier relationships and decision-making.
- Applied **data modeling techniques** to handle complex relationships between various supplier attributes and quality metrics.
- Developed automated **reporting** and **alert systems** to notify stakeholders when quality metrics fall below acceptable thresholds.

Languages:

- Arabic (Native)
- English (Fluent)
- German (Intermediate)