

Qais Al-Haj Abdullah

Database Engineer | Data Analyst | Software Engineer

✉ qaisashraf0@gmail.com ☎ 0595723080 🌐 Qais Al-Haj 🔄 Qaisalhaj 📍 willing to relocate

PROFILE

Applied Computing graduate (Feb 2026) with hands-on internship experience in software engineering and full-stack web development. Gained practical experience building and maintaining web applications using Node.js, TypeScript, Express.js, PostgreSQL, React, and RESTful APIs. Contributed to the development of enterprise systems by implementing backend features, database operations, authentication mechanisms, and business logic while following modern software development practices. Familiar with database design, API integration, real-time communication, and data analysis using Python and SQL. Passionate about learning new technologies, solving technical challenges, and growing as a software engineer in a collaborative development environment.

PROFESSIONAL EXPERIENCE

Spark-Palestine Launchpad with Google <i>data Analyst</i>	01/2026 – 04/2026 Palestine
Analyzed and transformed datasets using Python, Pandas, NumPy, SQL, and Excel to uncover meaningful insights and support data-driven decisions. Performed data cleaning, exploratory data analysis, visualization, and reporting while working with relational databases and basic machine-learning techniques such as Decision Trees and Naive Bayes. Focused on data quality, identifying trends, and presenting findings in a clear and understandable form	
GoIT <i>Full-Stack Software Engineer</i>	07/2026 Palestine-Zeta
Developed full-stack applications using React, TypeScript, Node.js, Express, and PostgreSQL. Contributed to a Training Management System by building REST APIs, database models, authentication and authorization, real-time notifications with Socket.IO, and responsive frontend interfaces. Implemented JWT-based security, role-based access control, validation, Dockerized development environments, and complex business workflows while collaborating on system architecture, debugging, and performance improvements.	

EDUCATION

Palestine Technical University - Kadoorie, Tulkarm <i>Bachelor of Applied Computing</i>	01/2026 Tulkarm
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PROJECTS

Database Optimization and Management 🔗
Designed and optimized SQL queries, improved database performance, and ensured data integrity across multiple projects.

Data Processing & Analysis (Python Focus)

- Developed scripts to clean and process complex datasets using **Pandas** and **NumPy**.
- Handled missing values and performed data normalization to prepare "messy" data for analysis.
- Utilized **Jupyter Notebooks** to document analysis workflows and visualize findings.

Data Science

A comprehensive machine learning project that analyzes Steam game data through three distinct analytical approaches: review score classification, playtime prediction, and market segmentation clustering.

PTUK-Dataminig-project

The primary objective is to develop and evaluate machine learning models that can use noisy, real-world data to predict life expectancy categories. Additionally, the research shows how model selection and preprocessing impact performance.

TMS

The Training Management System (TMS) is an enterprise web application designed to manage and streamline internship and training programs. The system supports multiple user roles, including administrators, HR personnel, supervisors, and trainees, enabling efficient management of training periods, applications, projects, teams, evaluations, attendance, and communication workflows.

HIWAR

Designed and developed the backend architecture for a subscription-based service management platform that enables organizations to manage subscribers, subscriptions, sessions, personnel assignments, payments, and notifications.

SKILLS

Database Systems:

MySQL . MongoDB SQLite . Modeling Normalization Indexing Query optimization . expert in workbench and data modeling with tableau

Programming & Libraries:

Python (Pandas, NumPy, Matplotlib), SQL, JavaScript, HTML/CSS.

Data Analysis & Tools:

Excel . Pandas . Data Cleaning . Data Visualization

Backend & API Development:

Node.js

Tools:

Jupyter Notebooks, Vs code MS Office (Expert Excel), Git/GitHub, n8n.

Soft Skills:

Time Management, Leadership, Receptiveness to Feedback, and Accountability.

ai automation

CERTIFICATIONS

- Data Analyst [↗](#)
- Database Structures and Management with MySQL [↗](#)
- Introduction to Data Analytics [↗](#)
- Data Analysis and Visualization with Power BI
- Meta Database Engineer [↗](#)
- Programming in Python [↗](#)
- Programming in Python [↗](#)
- IBM Full Stack Software Developer (in-Progress)
- Advanced MySQL Topics [↗](#)
- Version Control (Git & GitHub) [↗](#)
- Advanced Data Modeling [↗](#)
- IBM JavaScript Backend Developer (In-Progress)

LANGUAGES

Arabic — Native

English — Professional proficiency

SUMMARY

Focused on data accuracy, database performance, and scalable backend systems.

Combining database engineering, data analysis, and data entry skills to contribute to data-driven environments efficiently and accurately.