

Izzat Almustafa

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Experience

Part-time Backend & Database Engineer, at H3 Solutions

12/2024 – 05/2025

- Built and deployed backends for **qabas.ps** (e-commerce) and **Kabse POS** using **NestJS**, **PostgreSQL**, and **Drizzle ORM**, with optimized SQL for performance-critical operations.
- Deployed full-stack apps to a **cloud Apache server** with **HTTPS**, handling setup, configuration, and server tuning.
- Developed a real-time service with **TCP sockets**, **WebSockets**, and **Redis** for low-latency data retrieval and caching.

Internship ASP.NET Core Backend Engineer, at Expert Turnkey Solutions.

07/2023 – 09/2023

- Built and connected **ASP.NET Core** APIs to **SQL Server** using **Entity Framework** and raw SQL.
 - Applied **ORM techniques**, **Fluent API**, and **Dependency Injection** to structure and optimize backend logic.
 - Gained practical experience with **HTTPS request/response handling** and secure API communication.
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CERTIFICATIONS AND COURSES

Front-end Nano Degree, Spark/Udacity – Remote

10/2024 – 02/2025

- Utilized HTML and CSS to create responsive web pages
- Built dynamic UI components with vanilla JavaScript and direct DOM manipulation
- Leveraged async/await to integrate RESTful APIs, enabling non-blocking operations and concurrent data fetching
- Configured Webpack and Babel pipelines to bundle, optimize, and automate the build & deployment of single-page applications

Data Analyst Nano Degree, Spark/Udacity – Remote

05/2024 – 08/2024

- Used the Pandas and Numpy libraries for data analysis
 - Used Advanced Data Wrangling techniques to gather, clean and assess data
 - Visualized results from data analysis using the Matplotlib and Seaborn Libraries
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Education

BSc Computer Science, University of Birzeit, Birzeit – Palestine

08/2020 – 07/2024

- GPA: 82.4/100
 - Key modules: Mobile App development, Web app development, Database administration, Unity Game Development, Encryption, Usable Security, Data Structures, Algorithms, Object Oriented Programming.
 - Project: **Khatt Clarifier**: An Arabic Handwritten Recognition Website.
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SKILLS HOBBIES AND INTERESTS

Proficient: Python, Java, C#, JavaScript, TypeScript

Moderate: C, C++, SQL, HTML

Languages: English – Native, Arabic – Fluent

Hobbies and Interests: Cybersecurity, Steganography, Encryption, Computer Vision, Low-level Programming, Deep Learning, Game Development
