Izzat Ibraheem

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Experience

Freelance Software Developer   **03/2025 – Present**

- Built a **NestJS + PostgreSQL** backend for a mobile app that helps labor workers find jobs or gigs.
- Delivered a **NestJS + MongoDB** music-learning site with an admin panel, integrated **AWS S3** for uploads, and deployed it on **AWS Lightsail**.
- Developed an **ASP.NET Core Web API + PostgreSQL** backend for a university events platform (broadcasting, registration, event management) with an admin panel.

Full-time Backend & Database Engineer, at H3 Solutions   **10/2024 – 10/2025**

- Built and deployed **NestJS + PostgreSQL** backends (**Drizzle ORM**) for e-commerce and POS, **optimizing SQL queries** on key endpoints to **cut p95 API latency ~2–3×**.
- 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 while **s**treamed monitoring events via **Kafka** for real-time visibility.
- **Mentored** a junior developer through an **8-week** ramp-up, teaching **JavaScript/TypeScript, NestJS**, and core **software engineering practices**

Internship ASP.NET Core Backend Engineer, at Expert Turnkey Solutions.   **01/2023 – 01/2024**

- 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.

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

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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.

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

References Available Upon Request