

Noureddin Etkaidek, Undergraduate Student

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Date of birth	29/6/2004		
LINKS	LinkedIn , GitHub		
PROFILE	Computer Engineering student focused on backend and full-stack development , with a growing interest in machine learning and data science . Experienced in building RESTful APIs , managing databases , and implementing secure authentication , supported by a strong software engineering foundation . With an 89% GPA and active involvement in the Quantum Computing Club at Birzeit University , eager to contribute to scalable, data-driven projects while growing as a versatile software engineer .		
EDUCATION			
Sept 2022 — Present	BSc in Computer engineering, Birzeit University	Ramallah	
	With academic record of 89%		
INTERNSHIPS			
Jul 2025 — Sept 2025	Backend Intern, ASAL Technologies	Rawabi	
	Developed and documented RESTful APIs using NestJS and Swagger . Designed and managed databases with PostgreSQL and TypeORM , and implemented secure authentication with JWT and Role-Based Access Control (RBAC) . Followed Agile workflows in Jira while building practical applications featuring CRUD operations, authentication, and API documentation .		
Jan 2021 — Aug 2021	Flutter Developer, Buthor	Hebron	
	During my internship at Buthor company, I completed the Udemy Flutter & Dart course as part of my training, gaining practical experience in mobile app development. Through this, I built multiple applications, applying key concepts such as state management , Firebase integration, and API integration. Additionally, I collaborated with a cross-functional team of backend and frontend developers, designers, and QA testers, enhancing my ability to work in a real-world development environment. One of my key projects was an OCR-based application that extracts information from Arabic ID cards, utilizing image processing techniques to improve automation and data extraction.		
PROJECTS			
Jan 2026 — Present	ETCO Enterprise Inventory Management System		
	Developed and deployed a full-stack enterprise inventory system for multi-branch operations, featuring a React.js frontend and NestJS/PostgreSQL backend. I implemented efficient data synchronization using TanStack Query and WebSockets for real-time inventory tracking and low-stock alerts. The system is built on a secure architecture with JWT/HttpOnly authentication and granular, branch-scoped Permission-Based Access Control (PBAC) . I architected a complex transaction engine to manage multi-product orders and financial tracking, supported by 14+ versioned database migrations. The complete solution is fully documented with Swagger and deployed via Render and Vercel , demonstrating a professional end-to-end development and DevOps workflow.		

FREELANCING EXPERIENCE

Jun 2021 — Sept 2021	Flutter developer, Khamsat
	As a freelance Flutter developer on <u>Khamsat</u> , I worked with clients from diverse backgrounds , developing various mobile applications tailored to their needs. Over three months, I successfully delivered multiple projects, consistently earning 5-star reviews for my work. One notable project was a quiz game with different levels and scoring systems , where I utilized Firebase as the database for real-time data management. This experience enhanced my ability to understand client requirements, develop scalable solutions, and manage projects independently .

COURSES

Nov 2025	The Complete Full-Stack Web Development Bootcamp, Udemy
Feb 2025	CS50x, edX / Harvard University
Nov 2024 — Jan 2025	Arduino Learning, RoboticX
Apr 2021	Flutter & Dart, Udemy
Aug 2020	Python for Everybody, Coursera / University of Michigan
Jun 2020	iOS 13 & Swift 5 - The Complete iOS App Development Bootcamp, Udemy
Aug 2019	Machine Learning A-Z: AI, Python, Udemy

SKILLS	NestJS	C++
	PostgreSQL	Swift
	TypeORM	Flutter
	Machine Learning	Quantum Computing
	Python	

LANGUAGES	English	C1	Arabic	Native speaker
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