

Abdallateef Shohdy

Backend Engineer

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PROFESSIONAL SUMMARY

Backend Engineer with 2+ years building and shipping production-grade **Node.js** and **TypeScript** APIs for real clients. Delivered across e-commerce, events, and education domains — from database design to cloud deployment. Always learning, always shipping.

PROJECTS

NeuroGuard – AI-powered Healthcare Platform

[NeuroGuard-api repo](#)

Graduation Project

- Built **RESTful API backend** using **Node.js**, **TypeScript**, and **PostgreSQL**, integrating AI models for stroke risk prediction and medical image analysis; coordinated with frontend and ML teams for testing and deployment.
- Implemented a **real-time PDF chat assistant** using Retrieval-Augmented Generation (RAG), enabling context-aware responses from medical documents.
- Designed JWT-based **authentication** and authorization system; built **CI/CD pipeline** using **Docker** and GitHub Actions for automated deployment.

Wasla App API – Event Discovery Platform

[Wasla-app repo](#)

Freelance Project

- Developed full **event-based backend API** using **Node.js**, **Express**, and **PostgreSQL** with multi-auth flows (Email, Google OAuth, OTP reset) and **RBAC** authorization.
- Engineered personalized feed system with category filtering and favorites management; delivered complete **API documentation** via Postman for QA testing and client handover.

Course Platform API – Educational Management System

[Courses-Platform repo](#)

Freelance Project

- Built course and section management backend using **Node.js** and **NestJS** with dual-role system (Admin / Student), file uploads via Multer, and email notifications.
- Published full **Swagger / OpenAPI documentation** to streamline integration with the frontend team.

E-commerce API

[Ecommerce-API repo](#)

Personal Project

- Designed a **modular RESTful API** using **Node.js**, **Express**, and **MongoDB** covering products, reviews, coupons, carts, and **Stripe** payment integration with extensibility-first architecture.

PROFESSIONAL EXPERIENCE

Freelance Backend Developer

2023 – Present

Remote

- Delivered multiple **production-grade backend APIs** using **Node.js** and **Express** across various business clients; managed the full **software development lifecycle** from requirements gathering to deployment on **AWS EC2** and various cloud and shared hosting platforms.
- Designed **relational database schemas** in MySQL and PostgreSQL, and **NoSQL document models** in MongoDB, with indexing strategies to maintain query performance at scale.
- Integrated **Stripe** payment gateway, **Google OAuth 2.0**, OTP email flows, **JWT authentication**, and **RBAC** authorization across all projects; used **Git** and **GitHub** for version control throughout.

Web Development Trainee – Information Technology Institute (ITI)

07/2024 – 09/2024

Mansoura, Egypt

- Completed 150+ hours of intensive **.NET software development** training; built 3 MVC applications using **ASP.NET Core**, **Entity Framework**, and **SQL Server**.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (Node.js), Python, SQL
- **Frameworks:** Express.js, NestJS, FastAPI, ASP.NET Core
- **Databases:** PostgreSQL, MySQL, MongoDB, SQL Server
- **DevOps & Cloud:** Docker, GitHub Actions, CI/CD Pipelines, AWS EC2, Render
- **Version Control:** Git, GitHub
- **Testing & Docs:** Jest (Unit & Integration Testing), Postman, Swagger, OpenAPI
- **Security:** JWT, OAuth 2.0, bcrypt, HTTPS, RBAC
- **Other:** RESTful API Design, Microservices, Database Design, Agile Development

EDUCATION

Bachelor of Science in Information Systems

2021 – 2025

Faculty of Computers and Information, Mansoura University, Egypt

Relevant: Data Structures & Algorithms, Database Systems, Distributed Systems, Software Architecture, Design Patterns