

ALI ZAKI

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Professional Summary

Junior Backend Engineer with practical experience in developing scalable RESTful and GraphQL APIs using Node.js and Express. Skilled in MySQL, PostgreSQL, MongoDB, and API documentation. Designed and implemented a mentor-mentee matching algorithm based on user profiles and preferences, also integrated Paymob for handling secure subscription payments within the platform. Delivered a production-grade accounting system used by client for 2+ years. Demonstrated strength in project planning, team leadership, and solving real-world problems through hands-on delivery. Skilled in writing clear technical documentation and collaborating effectively across teams.

Education

Mansoura University

Faculty of Computer & Information Sciences

Final-year student focused on backend development, system design, and real-world software solutions.

Sep. 2021 – Present

Mansoura, Egypt

Projects

Online Mentorship Platform | *Node.js, Express, PostgreSQL, Paymob*

Jul. 2025

- Led a team to develop a platform matching students with mentors using a smart matching algorithm.
- Integrated Paymob payment gateway for subscriptions.
- Authored full API documentation and led project book writing.

Accounting System for Local Client | *Node.js, Express, MongoDB, HTML, CSS, JS*

May. 2023

- Designed and implemented a full accounting system used in production for 2 years.
- Built frontend, backend, and database from scratch.

Trip Booking System | *Node.js, Express, MongoDB, Stripe, Pug*

Apr. 2023

- Built a full-featured trip booking system after completing Node.js bootcamp.
- Implemented user registration, trip listing, and booking logic using clean MVC architecture.
- Integrated Stripe for secure online payment handling.
- Practiced real-world API structuring, routing, and MongoDB schema design.
- Developed the frontend using the Pug template engine for modular and maintainable views.

Technical Skills

Languages: JavaScript, TypeScript, Python, C#

Backend: Node.js, Express.js, REST APIs, GraphQL

Databases: MongoDB, Mongoose, MySQL, PostgreSQL

Security: JWT, OAuth

DevOps: Heroku and Railway

Frontend: HTML, CSS, JS, Pug

Tools: Git, GitHub, Postman, VS Code

Certifications & Online Courses

CS50's Introduction to Databases with SQL

Mar. 2024

HarvardX

[Certificate Link](#)

Node.js, Express, MongoDB & More: The Complete Bootcamp

Apr. 2023

Udemy

[Certificate Link](#)

Web Development Challenger Track

May 2022

Udacity

[Certificate Link](#)

CS50's Understanding Technology

Mar. 2022

HarvardX

[Certificate Link](#)

CS50's Introduction to Computer Science

Jan. 2022

HarvardX

[Certificate Link](#)