

# mohammed medhat

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## EXPERIENCE

### Backend Developer

Baianat

May 2024 - Present, Dammitta, new Dammitta

- designing and implementing **scalable and robust backend systems** for web and mobile applications. Skilled in **NestJS, GraphQL, PostgreSQL, and AWS services**

### Backend Developer

Tawiq

February 2024 - May 2024, Cairo, El Sheikh Zayed City

- Developed server-side applications using Node.js, Express.js, and MongoDB to enhance scalability and security.

## PROJECTS

### Catrek – A Dedicated Catering Platform

Baianat · [caterk.com](https://caterk.com)

· August 2024 - March 2025

- Catrek connects users with a wide range of catering services, making event planning seamless and efficient.
- Developed the Upload Component** with custom validation rules, leveraging **Node.js streams** for multi-part saving and processing layers, significantly reducing server load.
- Integrated Twilio Messaging** to enable SMS and WhatsApp notifications for seamless communication.
- Built the Modifier Groups Component** allowing restaurant owners to create unlimited product variations, enhancing the ordering experience.
- Implemented Location Filtering** using **PostGIS**, optimizing geo-queries for accurate and efficient searches.
- Optimized System Performance** by utilizing **DataLoaders** and **hashmaps** to improve state loading speed and consistency.

### Classes-Hub

Baianat · [classeshub.teachable.com](https://classeshub.teachable.com)

· December 2024 - February 2025

- A feature-rich online learning platform enabling instructors to create and sell courses while providing students with a seamless learning experience.
- Integrated BunnyCDN** for optimized media delivery and reduced latency.
- Developed a Custom Transactional Package** to simplify database transactions in Sequelize, improving efficiency.
- Integrated Stripe Payment Gateway** with a custom coupon applicability system for flexible discounts.
- Built a Wallet System** for instructors and admins to track revenue, using queues to prevent race conditions.
- Implemented Write-Through Caching** to eliminate inconsistencies and ensure data accuracy.
- Utilized Event-Driven Design** to enhance the integration with the payment system.

### Ajmal – A Holistic Well-Being App for Muslims

Baianat · [ajmal.app/](https://ajmal.app/)

· July 2024 - October 2024

- Ajmal empowers users to live a meaningful life of purpose and balance by combining coaching, science-based well-being tools, and Islamic-rooted virtues.
- Developed the Analytics Component** to track user interactions and engagement within the system.
- Enhanced Firebase FCM Integration** by utilizing **BullMQ** to process events and send notifications in a separate execution thread, improving delivery efficiency and reliability.

## EDUCATION

### Bachelor of Computer Science And Information Technology

Minor in Computer Science · Universtiy of Mansoura ,Daqahlia · Egypt · 2024 · 3.36

## CERTIFICATIONS

### Developing Back-End Apps with Node.js and Express

coursera · 2023

### Udacity professional Front-End web Development

Udacity · 2022

## SKILLS

- Node.js, Express, Nestjs, GraphQL.
- PostgreSQL, MongoDB and Redis.
- AWS

## SUMMARY

Backend Developer with a year's experience in developing and maintaining web applications.Excellent understanding of database technologies such as PostgreSQL and MongoDB. Proven experience in coding in multiple languages like JavaScript, Java and Python.