mohammed medhat

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EXPERIENCE

· 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.

Backend Developer

Baianat   **May 2024 – Present, Dammitta, new Dammitta**
· Built and maintained backend systems that support both web and mobile apps, using NestJS, GraphQL, bullMQ and PostgreSQL.
· Integrated with various third parties, Stripe as a payment gateway, Bunny as a CDN, and various AWS services.
· Streamlined API development workflows and improved data retrieval speed by 40% through optimisation of GraphQL queries and Redis caching, utilising dataloaders and hashmaps across platform services, enhancing overall user experience and scalability.

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.
· Integrated microservices architecture to streamline backend processes, enabling modular code development and improving system resilience.

PROJECTS

Catrek – A Dedicated Catering Platform

Baianat · caterk.com
· 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.
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Classes-Hub

Baianat · classeshub.teachable.com
· A feature-rich online learning platform enabling instructors to create and sell courses while providing students with a seamless learning experience.
· **Integrated BunnyCDN** for optimised media delivery and reduced latency.
· **Created an open-source transactional** helper package **(npm-link)** to streamline and enhance database transaction management in Sequelize, improving developer efficiency and code clarity.
· **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.
· **Utilised Event-Driven Design** to enhance the integration with the payment system.

Ajmal – A Holistic Well-Being App for Muslims

Baianat · ajmal.app/
· 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

Bacholer 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

Artificial Intelligence (AI)
National Telecommunication Institute (NTI) · 2024

SKILLS

· Node.js, Express, Nestjs, Graphql.
· PostgreSQL, MongoDB, Socket.io and Redis.