MOHAMED ABO EL-SEOUD

Backend Developer

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SKILLS AND FRAMEWORK

`Typescript` `JavaScript` `Go` `Nest.js` `Express` `Laravel` `MongoDB` `PostgreSQL` `AWS` `Docker`

MAIN PROJECTS

◯ FASILA

Express / MongoDB / Reids / Sockets.io / Docker / AWS / Paymob

📅 January 2024 – March 2024   📍 Freelancing Project

An E-Learning Platform for Egyptian University Students, offering access to lectures, books, and PDFs at significantly low prices

- Enhanced security Features:
  - **Single-session** restriction to prevent email sharing.
  - **WhatsApp API** for OTP verification using QR to send messages.
  - Content secured with **S3 Presigned URLs**, **CORS**, & **QPDF** encryption.

- Robust Node.js Backend:
  - Utilized **worker threads** for blocking operations as adding watermark.
  - Ensured data integrity with **MongoDB transactions** during purchases.
  - Integrated **Paymob** for secure payment processing via card or wallet.

- Scalable Infrastructure:
  - **Docker containers** for efficient deployment on DigitalOcean **EC2**.
  - **Nginx load balancer** and **PM2** for scalability and high availability.

- **Telegram API** to automate student notifications via telegram bot.

◯ Skill-Sync

Express / MongoDB / Sockets.io

📅 August 2023 – September 2023   📍 IEEE Victories competition

Back-end for an innovative mobile app that makes skill acquisition fun by matching you with like-minded friends or trusted mentors

- **Authorization & Authentication** using **Access & Refresh** Tokens as **JWT**.
- **A Real-Time Matching System** with Express using **sockets.io** and **Redis**.
- Scheduling & engaging in live meeting sessions with the **Dyte SDK**.

◯ Natours

Express / MongoDB / Stripe

📅 December 2022 – March 2023   📍 Node.JS Course Project

Full-stack web app that offers unique tours with stunning visuals. Utilizes REST API for a smooth user experience.

- Using Node.js & Express.js to build a **Server-side app** with a **REST API**.
- Gained experience working with **MongoDB|Mongoose** & **ODM library**
- Incorporating **Industry-standard packages** as **Passport**, **JWT**, **Stripe API**.

EXPERIENCE

Nodejs Backend Developer at **Tuwaiq**

📅 Mar 2024 – Ongoing   📍 El Sheikh Zayed City

- Develop and manage RESTful APIs, focusing on comprehensive documentation and ease of use for mobile and front-end platforms.
- Pinpoint and address performance bottlenecks to ensure optimal efficiency of the backend infrastructure.

EDUCATION

- **B.Sc in Computer Science**
  Mansoura University | GPA: 3.7
  📅 Sept 2020 – Jul 2024

TRAINING

- Web Development using Node and React
  NTI / Digital Egypt Youth
  📅 45 days x 6 hours

- Back-End Development using Laravel
  ITI / Winter Training
  📅 10 days x 6 hours

WORK FLOW

- **Performance Optimization:** Employed Dev-Tools, (MITM) Proxy, & Wireshark to conduct comprehensive analysis for performance.
- **Utilized Version Control:** Employed Git & Github for proficient management of code alterations and fostering collaboration within the team.
- **Tasks Management:** Implemented Agile methodology utilizing tools such as Jira to effectively prioritize, organize, and track tasks.
- **CI/CD Pipeline:** Orchestrated automated and secure transitions of backend code from development to production, utilizing Docker images.

CERTIFICATION

- NTI: Web Development using Node & Angular
- ITI: Backend Development using Laravel & php
- Udemy: Troubleshooting Backend Performance
- CNBC: 90% Most Common AWS Services
- Udemy: Node.js, Express, MongoDB
- Udemy: The Complete JavaScript Course
- Udemy: Build Responsive Real-World Websites
- CNBC: Algorithms & Data-Structure Analysis