Omar Zahir
Backend Developer

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PROFESSIONAL EXPERIENCE

Full Stack Developer | *Z-commerce*   *07/2021 - Present*

- Built my own software solution for dropshipping utilized by 11 local firms and 2 multinational firms using Nodejs, Expressjs, MongoDB, Angular.
- Empowering several of these entities to effectively generate and manage a considerable amount of money, this system plays a pivotal role, with one of the firms reaching **$2 million** in net profit within a short timeframe.
- Helping numerous dropshippers earn a decent monthly income, my software solution has proven to be a valuable tool for their full-time work.
- Implementing tailored new features addressing individual firms' specific needs, resulting in significant profit maximization for several of these organizations, for example:

  1. Designed and implemented a discount coupon sub-system for Black Friday, resulting in a **23% increase** in sales for **Ecombo Network**, a multinational firm using my software solution.
  2. Developed a feature to create product landing pages optimized for Facebook Pixel and TikTok Pixel, **maximizing profitability** from advertising campaigns by **35%**.
  3. Integrated with various courier APIs. This streamlines order fulfillment processes, provides real-time order tracking and eliminates the need for manual data entry on couriers' websites, saving considerable time and effort.
  4. Monitor stock levels across multiple warehouses, enabling sellers to strategically replenish inventory and mitigate order fulfillment delays, **reducing latency** caused by out-of-stock products by approximately **75%**.

- Additional information about this project and the companies using it is available on my LinkedIn profile **Here** .

Frontend Developer | *Upwork*   *05/2021 - 08/2021*

- Started as a freelancer on Upwork, focused on developing a basic frontend application to communicate with APIs designed by other team members using Angular, HTML, CSS, Bootstrap.

PROJECTS

TEMA Robot Graduation Project   *05/2021 - 10/2021*
A robot that monitors a child's mental and emotional state when parents are away.

- Detecting a child's emotional state, this robot plays specific stories to improve mood and reports these activities to the parents, all within the parents' control.
- Successfully developed both the backend part and the mobile application using Nodejs, Nestjs, MongoDB, Flutter.
- Took charge of of analyzing, storing, and generating real-time statistics and insights from data captured by the robot.
- Further information and presentation about this project can be found **Here**.

EDUCATION

Computer & Control Systems Department Mansoura University   *(GPA 3.5/4)*
Bachelor of Science in Computer Engineering (09/2017 - 07/2022)

SKILLS

- **Proficiency in algorithms, data structures, OOP methodologies and problem solving.**
- **Dedicated to enhancing technical proficiency through regular practice on platforms such as LeetCode.**
- **Solid foundation in backend programming patterns (Client/Server architectures, RESTful Web Services).**
- **Nodejs Expressjs Nestjs MongoDB MySQL PostgreSQL Socket.IO Redis Docker Kubernetes C++**

Angular　**React.js**　**Typescript**　**Unit Testing**　**Git/Github**

TRAINING

Full stack web development course
Faculty of Engineering, Mansoura University

- Acquired proficiency in web development basics.
- Gained expertise in HTML, CSS, and JavaScript for frontend development.
- Learned PHP and SQL for backend development.
- Implemented backend functionalities for data management and server-side operations.

Fundamentals of Backend Engineering
Udemy - by Hussein Nasser

Object-Oriented Programming in C++.
A book by Robert Lafore

Grokking Algorithms, Second Edition
A book by Aditya Y Bhargava

JavaScript Algorithms and Data Structures Masterclass
Udemy - by Colt Steele

NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)
Udemy - by Maximilian Schwarzmüller

MongoDB - The Complete Developer's Guide 2024
Udemy - by Maximilian Schwarzmüller

SQL - The Complete Developer's Guide (MySQL, PostgreSQL)
Udemy - by Maximilian Schwarzmüller

Microservices with Node JS and React
Udemy - by Stephen Grider

NestJS: The Complete Developer's Guide
Udemy - by Stephen Grider

SocketIO v4, with websockets
Udemy - by Robert Bunch

Java Design Patterns & SOLID Design Principles
Udemy - by Coffee Powered Crew

JavaScript Unit Testing - The Practical Guide
Udemy - by Maximilian Schwarzmüller

Angular - The Complete Guide
Udemy - by Maximilian Schwarzmüller

To view a comprehensive list of my training, courses, and certifications, kindly refer to my LinkedIn profile **Here** .