

# Mahmoud Zainhom Mohammed

## Back End Developer - Node.Js

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## Summary

Backend Developer specializing in Node.js with hands-on experience building scalable RESTful APIs using Express.js, MongoDB, and Mongoose. Worked on real-world simulated projects involving authentication, authorization, validation, and clean architecture practices. Strong focus on writing maintainable code and continuously improving backend system design.

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## Experience

Back-End Developer Trainee - Huma Volve

05\2025

- Developed and maintained RESTful APIs using Node.js and Express.js.
  - Implemented authentication and authorization using JWT.
  - Designed and validated MongoDB schemas with Mongoose .
  - Applied clean code principles and modular project structure in team-based simulated environments
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## Education

Diploma Of Computer Science

05\2024

IDEAL Center for Computer & Advanced Technology - V.Good

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## Certificates

Backend Development Diploma (Node.js)

11/2025

Route Training Center

Focused on server-side programming using Node.Js and Express.Js , databse integration with MongoDB, authentication and security techniques, and building scalable RESTful APIs .

Frontend Development Diploma

03/2025

Route Training Center

Studied HTML, CSS, JavaScript (ES6+), and Git. Specialized in building responsive interfaces using React.js and gained introductory experience with Next.js for server-side rendering.

Programming fundamentals diploma

04/2024

Route Training Center

Built a strong foundation in C++, OOP, data structures, and algorithms, applying these concepts through practical projects and design pattern implementation.

# Node.Js Projects

## E-Commerce API

[GitHub Link](#)

NestJS | Node.js | TypeScript | MongoDB | Mongoose | JWT | Stripe

A complete backend for an online store, built with NestJS and TypeScript, including user authentication, product management, cart and order handling, and payment integration.

Focused on building clean, modular RESTful APIs with proper validation, error handling, and database relationships using Mongoose.

## LinkSphere

[GitHub Link](#)

TypeScript | Node.js | Express.js | MongoDB | Socket.io | JWT

A social media backend platform inspired by Facebook, featuring user posts, comments, and real-time chat functionality using Socket.io.

Developed in TypeScript, focusing on scalability, modular architecture, and secure authentication with JWT.

## SecretBox

[GitHub Link](#)

Node.js | Express.js | MongoDB | JWT Authentication

A secure backend application for sharing anonymous messages, inspired by the Sarahah concept.

Built as a complete Node.js project focusing on authentication, authorization, and secure message handling. Implemented user management, message storage, and token-based security using JWT.

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Passionate about continuous learning and currently developing advanced backend systems to refine my architecture and deployment skills.

## Skills

JavaScript (ES6+)	Advanced	Debugging & Problem Solving	Advanced
TypeScript	Advanced	RESTful APIs	Advanced
Node.js	Advanced	MongoDB & Mongoose	Intermediate
Express.js	Advanced	MySQL	Basic exposure
NestJS	Intermediate	Git & GitHub	Intermediate
JWT Authentication	Advanced	Postman	Intermediate