

Hassan Mohamed Hassan *backend developer*

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Summary

I'm a 4th-year Computer Science student and aspiring Back-End Developer with strong skills in Node.js and Django with Python. I've built efficient APIs and full-stack web applications using databases like MongoDB and PostgreSQL. My projects include user management systems, focusing on performance optimization and robust data handling. I'm passionate about turning technical challenges into innovative, reliable solutions.

Education

Damanhour University

2021 – 2025

Faculty of Computers and information - Computer Science departement

Skills

Back-End Development:

Node.js, Django, RESTful APIs, GraphQL, Microservices, JWT Authentication

Databases:

MongoDB, PostgreSQL, SQL,

Programming Languages:

Python, JavaScript, TypeScript, C++

Tools & Frameworks:

Express.js, Django ORM, FastAPI, NestJS, Docker, Git, Postman

Soft Skills:

Problem-Solving, Team Collaboration, Time Management

Projects

E-commerce

E-commerce Backend API

Built the backend of an e-commerce application, focusing on designing and implementing secure RESTful APIs. Features included user authentication and authorization bcript, product CRUD operations, order management, and role-based access control for admins and customers. Integrated MongoDB using Mongoose for database operations and tested endpoints using Postman. **Technologies used:** Node.js, Express.js, MongoDB, Mongoose, JWT, bcript, Postman.

College Website Platform

Graduation Project – Django, Python, PostgreSQL

Developed a comprehensive college management platform using Django, supporting different user roles (students, employees, staff). Implemented a custom user model with role-based access, secure JWT authentication, and dynamic content delivery. Created APIs for news, services, notifications, and user profiles. Followed clean code principles and modular app structure to ensure scalability and maintainability.

Technologies used: Django, Django REST Framework, Python, PostgreSQL , JWT, HTML/CSS, Postman.

Certificates

Back-End Development (Node.js) – Root Academy

- Completed a comprehensive course in building RESTful APIs using Node.js, Express, and MongoDB.

Django Web Development – Information Technology Institute (ITI)

- Learned to build full-featured web applications using Django and Django REST Framework, with a focus on clean architecture and authentication systems.

Backend Internship (Petrojet Company) – Summer Training

- Completed backend-focused training in 2022, 2023, and 2024, gaining hands-on experience with enterprise systems and development workflows.

Problem Solving Certificate – Coach Academy

- Completed structured training in algorithm design and problem-solving strategies using programming challenges and competitive coding techniques.

Languages

Arabic :
Native

English:
Intermediate