

Nader Kamal

Backend developer

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Skills

data structures • object oriented programming • Algorithm • javaScript • typescript • node.js
REST API • express • nest.js • mongoDB • postgresql • TypeORM • SQL • Docker • html • css
SOLID principles • cs50 • git & github • git flow • heroku • postman

Projects

My portfolio [↗](#)

I build this project using html css

Nest.js E-commerce Backend [↗](#)

Led the development of a robust E-commerce backend utilizing Nest.js, PostgreSQL with TypeORM, and various cutting-edge technologies. The project focused on delivering a scalable, feature-rich API catering to both web and mobile E-Shop applications.

Key Responsibilities and Achievements:

- Technology Stack:

Engineered the backend using Nest.js, a progressive Node.js framework known for its modularity and scalability. Leveraged PostgreSQL with TypeORM for data storage, ensuring efficient and structured data management.

- Feature-Rich API:

Implemented a comprehensive set of features, including product and category management, advanced searching, sorting, and discount coupon systems.

Developed secure authentication and authorization functionalities using JWT, ensuring controlled access to various endpoints.

- Image Processing and Optimization:

Integrated Multer for seamless image uploads and Sharp for efficient image processing, optimizing visuals for enhanced user experience.

- Payment Integration:

Successfully integrated with the Stripe API, enabling secure credit card payments during the checkout process.

Database Operations and Relations:

Utilized advanced TypeORM features to manage complex database operations and establish relationships between entities for data consistency.

Results and Impact:

- Scalable Architecture:

Delivered a scalable and modular architecture, facilitating the seamless addition of new features and improvements.

- Enhanced User Experience:

Improved overall user experience by implementing functionalities such as a robust discount coupon system, flexible payment options, and an efficient rating system.

- Technologies Utilized:

Nest.js, PostgreSQL, TypeORM, JWT, Multer, Sharp, Stripe API, npm

NodeJS - Build a Full E-Commerce RESTful API

I build this project using nodejs jwt expressjs sharp mongoosejs multer express-validator

Real World Backend RESTful API For E-Commerce Platform -Ready for Mobile or Web E-Shop Application

- Creating, reading, updating, and deleting products and categories
- ->Advance searching, sorting, pagination, and filtering
- ->Discount coupon code
- ->Credit card payment with stripe
- ->Authentication and authorization
- >Image Upload & Multiple Images Upload (File Uploading) and image processing
- ->Password forgot/reset, confirmation email on signup, etc.
- ->Star rating system
- ->Cash on delivery (no online payment required)
- ->Advanced Mongoose Queries and Relationships Between Database Collections
- ->Store and retrieve complex data in MongoDB and lots more...

SCHOOL MANAGEMENT SYSTEM

i build this project using Node.js Express & mongoDB

Description: There are so many exciting features covered in this project. Here are some of the exciting features.

- allow students to take exams.
- -> Promote a student from one class to another
- -> Allow admin to publish and unpublished exams results
- -> Admin will register new students
- -> Prevent students to write exams if suspended or withdrawn
- -> Create exams endpoints
- -> Implements generate exams report
- -> Allow students to check their exams results
- -> Admin assigns programs and classes for teachers
- -> Admin can create classes, programs, academic terms/years/year groups/subjects.

Movie Review App Node

Building complete backend API with Node.js, Express, MongoDB, Cloudinary.

Inside this project I built a movie review app API where you will have your own admin panel to upload movies, you can see the progress, add, update, or delete the movies.

Also you can create new actors whom you can then add inside movies as they are the actors of that particular movie

- Role-Based Authentication (Admin & Normal User)
- User Authentication With Email Verification.
- Protected Routes According to Role.

Cloud Storage for Images and Videos

Languages

- English | Intermediate

- Turkish | Intermediate

- Arabic | Native