

Ahmed Hossam

Software Engineer

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Education

Bachelor's Degree in Computer Science, *Benha University*

Benha, Egypt

Experience

Back-end Developer, *LeapTech*

03-2024 – present | remote

- Design and develop the API of LeapTech e-commerce mobile application:
 - Refactored legacy code to improve readability, maintainability, and overall performance..
 - Two-factor authentication (2FA) using OTP and Gmail and add forget and reset password functionality using Gmail
 - Enhanced application performance by optimizing back-end code and implementing efficient algorithms.
 - Reduced server load and improved response times by designing scalable database structures..
 - Collaborated with front-end developers for seamless integration of user interfaces with back-end systems.

Projects

Fahm-blog-website-API 🔗

- Creating the users, posts, comments, and categories models with Mongoose ORM
- Building APIs using Expressjs, and routes for CRUD operations on the users, posts, comments, and categories
- Developing middlewares for Auth, isAdmin, isBlocked, isSuspend, hidePosts from blocked users and error handling middlewares
- Register and log the user in with JWT and save the JWT in the cookie to keep the user logged in for a period of time
- Forget and reset password functionality using Gmail and speakeasy
- Each user has a role that gives them more functionality or restricts routes for them
- Add security practices to protect the API

Job-website-API 🔗

- Creating the user and job model with Mongoose ORM, setting MongoDB Locally.
- Building APIs using Expressjs, and routes for CRUD operations on the Jobs
- Register and login user with JWT
- Developing middlewares for Auth, isAdmin, and Error handling
- Add security practices to protect the API

Skills

- Programming Languages: Python, JavaScript, Bash, HTML, CSS, Typescript, SQL
- Technologies: Nodejs, Express.js, Mongoose, Prisma and React
- Database: MongoDB, Postgresql, Redis
- Tools: GitHub (Git - Source Control), Postman, VSCode, Jira, Swagger
- API Design and Development
- Soft Skills: Presentation Skills, Communication, Teamwork, problem-solving, brainstorming

Languages

- English
- Arabic