

Ahmed Fathy

Backend Node.js Developer

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PROFESSIONAL SUMMARY

Backend Node.js Developer with hands-on experience in building RESTful APIs, handling authentication with JWT, and working with MongoDB and Express.js. Experienced in documenting APIs using Swagger/OpenAPI. Known for collaborative problem-solving, clear communication, and an agile mindset. Passionate about creating scalable, maintainable backend systems and continuously learning new technologies.

TECHNICAL SKILLS

Languages

HTML, CSS, JavaScript (ES6+), TypeScript, C++

Backend

Node.js, Express.js

Database

MongoDB, Mongoose, MySQL (basic)

Authentication

JWT, OAuth2, Role-Based Access Control (RBAC)

Tools & Platforms

Git, Postman, Docker (basic), GitHub, VS Code, Swagger/OpenAPI

Deployment

Render, Railway, Vercel (basic knowledge)

Testing

Jest (basic), Postman testing

Others

REST APIs, MVC architecture, Agile/Scrum

EXPERIENCE

Part Time Freelance Backend Developer

01/2022 – Present

Remote

- Built multiple backend services for eCommerce and educational platforms using Node.js and Mongodb.
- Implemented JWT-based authentication and role-based access control.
- Integrated third-party APIs for payments and shipping.
- Designed secure RESTful APIs for products, orders, and users.
- Collaborated with frontend developers to ensure seamless API consumption.

Full Time Backend Developer, Fortemove (HR Consultancy Company)

01/2024 – Present

Onsite

- Designed and developed scalable backend systems using Node.js, tailored for HR services and recruitment workflows.
- Built a job portal, enabling job listings, applications, candidate tracking, and admin controls.
- Integrated RESTful APIs for user authentication, job search filters, resume uploads, and employer-candidate interactions.
- Collaborated with front-end developers and UI/UX designers to deliver seamless user experiences.
- Implemented secure user authentication and role-based access control using JWT/OAuth.
- Managed backend database architecture with MongoDB.
- Ensured high performance and responsiveness of the application through code optimization and caching strategies.
- Wrote unit and integration tests to ensure code reliability and maintainability.

PROJECTS

Gearbox Studios - Video Production Booking Platform, <https://github.com/Superfathy/Gearbox>

- Developed the backend for a video production company's platform allowing users to book photo/video shoot sessions or select pre-made service packages.
- Implemented full booking flow, including optional space/technology selection and direct package reservation.
- Built admin panel features to manage (Add/Edit/Delete) spaces, technologies, and packages.
- Enabled admin to view all users and bookings through secure dashboards.
- Added a review system allowing clients to leave feedback after photo sessions.
- Ensured robust authentication and authorization for both users and admins using JWT and RBAC.

Natours - Tour Management System, <https://github.com/Superfathy/natours>

- Developed 12+ RESTful endpoints with Express.js handling tours, users, reviews, and bookings
- Implemented JWT authentication with email verification and password reset flows
- Integrated Stripe payments and SendGrid email notifications for bookings
- Optimized performance with MongoDB indexing (30% faster queries) and aggregation pipelines
- Added Jest unit tests (85% coverage) beyond course requirements

Courses

Node.js, Express, MongoDB & More: The Complete Bootcamp 2023

Covered REST API development, Express.js features, JWT authentication, MongoDB performance optimization, deployment, and testing

Data Analytics with Excel and Power BI

Covered data transformation, dashboard building, data visualization, and KPIs using Excel and Microsoft Power BI.

Backend Development with .NET (ITI Summer Camp)

Covered fundamentals of C#, ASP.NET, MVC architecture, and basic database integration using SQL Server.

EDUCATION

Bachelor of Computer Science, October 6 University

CGPA: 3.43

2025

Giza, Egypt

LANGUAGES

Arabic

Native

English

B2 (Reading, Writing, Speaking)