

Eslam Amin Ahmed

Backend Developer

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Hello there, My Name is Eslam Amin, I'm a computer Science Graduate, and a Highly skilled and dedicated backend developer with extensive experience in building robust and scalable server-side applications using Node.js. Proficient in designing and implementing RESTful APIs, managing databases, and ensuring security and performance optimization. Good Knowledge in ReactJS, and frontend technologies, Strong problem-solving abilities and a passion for continuous learning and improvement. Adept at collaborating with cross-functional teams to deliver high-quality software solutions.

Technical Skills

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|--------------------|--------------------|-------------------------------|
| • Node.js | • PostgreSQL | • Data Structure & Algorithms |
| • Express.js | • Firebase | • Redis (Basics) |
| • MongoDB | • Restful APIs | • Docker (Basics) |
| • JavaScript / ES6 | • Socket.io | • CI/CD (Basics) |
| • TypeScript | • ReactJS | • GraphQL (Basics) |
| • NestJS | • SOLID Principles | • Kafka (Basics) |
| • MySQL | • Git / GitHub | |

Experience

Full Stack Developer | Amwal (Remote, Part Time) [March 2025 – April 2025]

- Developing a **FinTech backend** using **TypeScript, Node.js, Express.js, and MySQL**.
- Migrated raw **MySQL queries to TypeORM repositories** for better maintainability.
- Built **RESTful APIs**, integrated third-party services, and optimized **MySQL performance**.
- Implemented **class-validator** for HTTP request validation.
- Collaborated on security enhancements (**JWT**) and upcoming migration to **NestJS** for scalability.

Backend Developer | Neon, Cairo (Full Time) [May 2024 – Present]

- **Developed and maintained scalable web applications** for E-Commerce, E-Learning, and other platforms using Node.js, Express.js, MongoDB, and MySQL, ensuring high performance and reliability for users.
- **Built RESTful APIs** and integrated third-party services to enhance the functionality of client-facing applications and provide seamless user experiences.
- **Debugged, tested, and resolved errors** in existing codebases, contributing to the overall stability and performance of the platforms.
- **Collaborated with cross-functional teams**, including front-end developers and product managers, to implement new features and functionalities that meet user needs and business goals.
- **Ensured data integrity and security** by implementing secure authentication systems (JWT, OAuth) and performing regular security audits to protect sensitive user information.
- **Optimized database performance**, including queries and indexing, for both MongoDB and MySQL databases, improving system response time and reducing latency.

Education

Future Academy, Cairo – Bachelor's Degree in Computer Science [2018 - 2022] [GPA: 3.69/4]

Projects ---

OneFurever [August 2024 - Present]

- An application for pet owners, offering resources, services, and community features tailored to pet care needs, Users can communicate with each other in a real-time, and used firebase to push notification through it.
- **Technologies:** Node.js, Express, MongoDB, JWT, Socket, Firebase, and PayMob.
- **Links:** [Play Store](#), [App Store](#), [Website](#)

HAjJO [July 2024 – September 2024]

- It's Suits and related Products e-commerce, I Created the Backend Server from scratch, and I Used redis to enhance performance mechanism to use caching.
- **Technologies:** Node.js, Express, MongoDB, JWT, PayMob, and Redis.
- **Live Website:** [HAjJO](#)

o'Curls [2024]

- It's Curly hair Products e-commerce, I Updated the Payment Method in this Web App, from iframe payment to the unified checkout with paymob.
- **Technologies:** Node.js, Express, MongoDB, JWT, and PayMob.
- **Live Website:** [o'Curls](#)

Social Network | MERN Stack Application [Self-Study, 2024]

- **Technologies:** Node.js, Express, MongoDB, JWT, Socket.io, React, ContextAPI, Axios, and firebase.
- Developed a MERN stack social network mimicking older version of Facebook, Implemented real-time messaging with Socket.io.
- **GitHub Repository:** [Social Network | Backend](#), [Social Network | Frontend](#)
- **Live Website:** [Social Network](#)

Market | Backend Service [Self-Study, 2024]

- **Technologies:** Node.js, Express, MongoDB, MySQL, and JWT.
 - Created backend APIs for managing branches, cashiers, products, and receipts.
- **GitHub Repository:** [Market | Backend](#)

Explorer Enthusiast | Tour Management Application [Self-Study, 2024]

- **Technologies:** Node.js, Express, MongoDB, JWT, MapBox, and Pug.
 - Developed a backend application for managing and exploring tours with CRUD operations.
 - Integrated MapBox for displaying tour locations.
- **GitHub Repository:** [Explorer Enthusiast | Backend](#)

Languages ---

- Arabic (Native Tongue)
- English (Intermediate)