Yousef Shaban

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SUMMARY

Backend Developer with 2+ years of experience building scalable systems and modernizing legacy applications. Successfully delivered high-performance backends with Node.js, achieving 90% query optimization and enabling large-scale deployments. Skilled in leveraging AWS and TypeScript for secure, reliable cloud solutions. Passionate about driving business growth through clean, maintainable code and innovative problem-solving.

EXPERIENCE

Software Engineer I   *May 2024 - Present*
IT Land Canada   Alexandria, Egypt

- Modernized a legacy Node.js application, transforming it into a scalable, modular system and reducing query execution times by 90%, enabling support for 10,000+ concurrent users.
- Designed and implemented a scalable payment gateway system using Clean Architecture, ensuring seamless integration with multiple third-party payment providers.
- Delivered backend features for prepaid card and GSM charging systems, supporting large-scale deployments in Iraq and Libya.

Software Engineer   *Jun 2023 - Apr 2024*
Egyptian Navy Information Systems Department   Alexandria, Egypt

- Designed a secure document archiving system using Node.js and React.js, improving data accessibility and security.
- Built a real-time interview management system using Socket.IO, reducing interview scheduling time by 30%.
- Migrated legacy JavaScript codebases to TypeScript, improving code safety and maintainability.

Software Engineer Intern   *Mar 2023 - May 2023*
Orange Digital Center   Cairo, Egypt

- Developed RESTful APIs using Node.js, Express.js, and Nest.js, enabling seamless integration with diverse system entities.
- Designed scalable schemas and managed database performance using Prisma ORM and TypeORM.

PROJECTS

Alpha Card Prepaid Cards System

- Developed a scalable backend for prepaid card and GSM SIM charging systems, processing 200K+ transactions daily with 99.9% uptime.
- Developed a payment gateway module for Alpha-Card, enabling flexible extension to additional payment services and ensuring smooth transaction handling with fault tolerance and data consistency.
- Optimized database queries, reducing execution times by 90%.

Electronic Document Archiving System

- Created a modular, secure file storage system with encryption using Node.js and React.js.
- Designed RESTful API endpoints for seamless frontend-backend communication.
- Implemented TypeScript for improved code maintainability and type safety.

SKILLS

Programming Languages: JavaScript, TypeScript

Backend Development: Node.js, Express.js, Nest.js, GraphQL

Databases: MySQL, PostgreSQL, MongoDB, Redis

Tools: Docker, Git, GitHub, GitLab

Testing: Jest, Mocha, Postman

Methodologies: Agile, Scrum, TDD

Soft Skills: Problem Solving, Team Collaboration, Time Management

EDUCATION

Bachelor's degree, Computer and Automatic Control Engineering *Sep 2017 - Jul 2022*
Faculty of Engineering, Tanta University (Very Good) *Tanta, Egypt*

CERTIFICATIONS

Mean Stack Diploma | Tech Experts | Orange Digital Center *Feb 2023*
Certified in backend development using Node.js, Express.js, and Angular.

LANGUAGES

Arabic English
Native or Bilingual Proficiency Professional Working Proficiency