

Yousef Alkorashy

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Summary

Results-oriented Backend Developer with strong experience in Node.js, database design, and scalable API architecture. Demonstrated ability to improve backend performance and collaborate effectively in Agile teams. Known for strong problem-solving, adaptability, and communication skills, with a passion for writing clean, maintainable code.

Technical Skills

Programming Languages: JavaScript (Node.js), Python, C++, SQL, NoSQL

Frameworks: Express.js

Tools & Databases: Git, Docker, MongoDB

Other Skills: API Design, ORM (Sequelize, Mongoose), Unit Testing (Jest), Agile Development

Software Development Fundamentals (ITI): OOP, Data Structures, Algorithms, Clean Code, Design Patterns

Soft Skills: Communication, Adaptability, Critical Thinking, Collaboration, Attention to Detail

Projects

Courses API

Backend Developer

June 2024 – Aug 2024

Node.js, MongoDB, NoSQL

Built a RESTful API to manage over 1,000+ course documents with secure user roles and access

Optimized MongoDB queries to reduce data retrieval time by 30%

Implemented authentication, registration, and course tracking for 300+ test users

Vidly Project

Backend Developer

Jan 2024 – May 2024

Node.js, MongoDB

Developed REST APIs for a video rental system handling 500+ customers and 200+ movie entries

Implemented data validation and error handling to improve backend reliability by 25%

Refactored code for modular structure, improving maintainability and reducing technical debt

Virtual Surgery System

Graduation Project

July 2022 – July 2023

VR, Haptic Feedback, Java

Developed a VR Surgery Simulation System for educational training in medical procedures

Integrated haptic feedback and 3D rendering to simulate real surgical tools

Provided a realistic, interactive, and safe training environment for medical students

Experience

Software Development Intern

Orange Digital Center Egypt

Aug 2023

Cairo, Egypt

Built a university management system used by 100+ test users for course registration and grading

Designed and implemented 3 core modules using OOP and MVC architecture in C++

Wrote 30+ unit tests with Google Test, reducing bugs in QA by 40%

Education

Menofia University

B.Sc. in Computer Science

Egypt

Sept 2019 – July 2023

Information Technology Institute (ITI) – Intake 46

Software Development Fundamentals Track

Egypt

Feb 2025 – June 2025