

Abdulahman Abu Zeid Mahmoud

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Summary

Passionate and skilled Software Engineer with 2-3 years of back-end development experience specializing in Node.js and modern web technologies. Seeking a challenging role in an innovative company where I can leverage my expertise in API development, database design, and full-stack solutions.

Technical Skills

- **Backend Technologies:** Node.js, Express.js, NestJS, RESTful APIs, GraphQL
- **Frontend Technologies:** HTML5, CSS3, JavaScript (ES6+), React, Redux, Bootstrap, Sass
- **Databases:** MongoDB, MySQL, Database schema design and implementation
- **Programming Languages:** TypeScript, Python, JavaScript, R, C/C++
- **Tools & Documentation:** Swagger, Jest (Testing), Git
- **Development Practices:** API Documentation, Test-Driven Development, Agile Methodologies

Projects

- **Student Portal System - Faculty Graduation Project** | [Github](#)
 - Developed a comprehensive student management system backend with scalable RESTful APIs for student registration, course management, and grade tracking
 - Implemented secure authentication and role-based authorization system for students, faculty, and administrators
- **Chat Stream - ALX Software Engineering Graduation Project** | [Github](#)
 - Built a real-time chat application using WebSocket technology, enabling users to join multiple rooms with instant messaging capabilities
 - Developed scalable room-based architecture with user presence indicators, message history, and concurrent user support
- **BlogApp - GDSC Node.js Program Graduation Project** | [Github](#)
 - Created a full-stack blog application with user authentication, CRUD operations, and role-based access control using Node.js and Express.js
 - Implemented secure session management and content management system as capstone project for Google Developer Student Clubs program
- **QuizApp – Interactive quiz generation** | [Github](#) | [Demo](#)
 - Built a dynamic, responsive quiz web application supporting multiple categories and difficulty levels using vanilla JavaScript
 - Implemented real-time scoring system and user progress tracking with mobile-first responsive design

Education

Bachelor's Degree in Computer Science
Damanhour University, Faculty of Computers and Information

Oct 2021 – July 2025
GPA: 3.83/4

Certifications

- [ALX Software Engineering Program with Backend Specialization](#) | 2024-2025
 - Completed intensive 12-month software engineering program focusing on backend development

- Specialized training in system design, data structures, algorithms, and scalable web applications
 - Hands-on experience with industry-standard development practices and methodologies
- [Google Developer Student Clubs \(GDSC\) Node.js Program](#) | 2022-2023
 - Successfully completed Node.js development program as a core team member
 - Gained expertise in server-side JavaScript development, Express.js framework, and API development
 - Collaborated on real-world projects and mentored fellow students in web development
- [Fundamentals of Data Science in Precision Medicine and Cloud Computing](#) | May 2025 - July 2025
Stanford Medicine, Department of Genetics | 40-hour Program
 - Completed advanced data science program focusing on healthcare applications and cloud computing
 - Gained expertise in data analysis, machine learning applications in medicine, and cloud-based solutions
 - Learned to work with medical datasets and implement data-driven healthcare solutions

Languages

- Arabic: Native
- English: Fluent (Professional working proficiency)