

Mohamed Yousry Abouelhoda

SOFTWARE ENGINEER

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OBJECTIVES

Experienced Software Engineer specializing in Java, Node.js and C++. Proficient in building scalable APIs, optimizing database performance, and developing robust backend architectures. Dedicated to delivering efficient and secure solutions.

EDUCATION

Cairo University 2023 - 2025
Postgraduate Diploma in Computer Science Giza, Egypt

6th October University 2019
Bachelor of Computer Science 6th October City, Egypt

PROFISSIONAL EXPERIENCE

Software Engineer 05/2022 – 11/2024
Sameer Aboghalia Consulting Engineering - Remotely Mecca, KSA

- Crafted responsive, user-friendly interfaces using HTML5, CSS3, and JavaScript frameworks React.js, Next.js and React Native.
- Developed robust server-side applications leveraging Node.js and Express.js for scalable and efficient back-end solutions.
- Implemented database solutions including schema design, querying, and optimization using MySQL.

Software Engineer 04/2021 – 03/2022
Elsewedy Electrometer - Contract 6th October City, Egypt

- Conceptualized, designed, and implemented an NFC library for seamless communication between iOS applications and NFC-enabled cards.
- Leveraged Core NFC framework and related technologies to establish communication protocols and handle NFC interactions within the iOS ecosystem.
- Designed a modular and extensible architecture for the NFC library, allowing easy integration into various iOS projects with minimal overhead.

Software Engineer 06/2019 – 12/2019
Alamat for Information Technology – Internship Nasr City, Egypt

- Handled asynchronous network requests and data parsing, utilizing frameworks like Alamofire and Codable for efficient network communication and JSON parsing.
- Participated in Agile development methodologies, attending sprint planning, daily stand-ups, and sprint reviews to ensure alignment with project goals and priorities.
- Managed codebase using Git version control system, collaborating with team members through GitHub and Bitbucket.

PROJECTS

E-Commerce Web Application

12/2024 – Present

www.omexaitalia.com

Freelance

- Built E-Commerce web application with dashboard to manage products and site content.
- Technologies used: Next.js, Node.js, JWT, Google Translate API, Sequelize ORM, and MySQL

SKILLS

Programming Languages

- C++
- Java
- Javascript

Software Engineering

- Object Oriented Programming (OOP)
- Data Structures
- Algorithms
- Design Patterns
- Solid Principles

Development Tools

- Git/GitHub
- Shell Commands
- Unit Testing

DataBases

- SQL
- No-SQL
- PL/SQL
- Oracle RDBMS
- MySQL
- MongoDB
- Sequelize (ORM)

Other Technologies

- HTML
- CSS
- React.js
- RESTful API
- Socket.IO
- Express
- Node.js
- Next.js

COURSES

Learning REST APIs

06/2022

LinkedIn

SOLID Principles: Introducing Software Architecture & Design

06/2022

Udemy

Specialization Data Structures and Algorithms

06/2018

Coursera

AWARDS

ACM ECPC Contestant

2017

Arab Academy for Science and Technology

Alexandria, Egypt

Top Developer at the 8 Heroes Program

2014

Microsoft Egypt

Smart Village, Egypt

LANGUAGES

- **Arabic** (Native/Bilingual Proficiency)
- **English** (Full Professional Proficiency)