Omar Alaraby

Software Engineer

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Objective

As a fresh graduate software engineer, I seek a full-time Backend Software Engineer position starting August 2025

Education

Computer Science   2021-2025
Suez Canal University

Experience

Problem Solving Instructor   **Coach Academy | Part-Time Remote**   2024 - present
- Delivered lessons on data structures, algorithms, and advanced topics like recursion, binary search, trees, and graphs.
- Guided students in algorithmic thinking and competitive programming.
- Provided personalized support to improve analytical skills and coding efficiency.

Projects

Wassally | https://github.com/OmarAlaraby/Wassally-Backend-Architecture
- Developed and maintained the backend for Wassally, a multi-platform ecosystem, using Django.
- Built APIs for **Wassally** (user app), **Wassally Business** (shop owner app), and **Wassally Drivers** (delivery app), enabling users to place orders, shop owners to manage products/offers, and drivers to handle deliveries.
- Created a **staff management website** to oversee operations, including driver and shop owner registrations, and overall process management.
- Integrated features like order tracking, sales analytics, profit calculations, and delivery status updates across all platforms.
- Ensured seamless communication and functionality between the mobile apps and the website for efficient operations.

ICPC SCU Official Website | https://icpc-scu-official-website.netlify.app
- Created a website with Django REST framework, Django Web and online (remotely) database.
- Created a partners board with Django web framework.
- Launched the website is **running in production environment** and attracted **over 1000 of users**.

Database Hosting Service (Graduation Project)
- Built a database hosting service with a BaaS API and intuitive UI for DB management.
- Applied Test-Driven Development (TDD), writing tests first for reliability.
- Added AI-powered assistance for DB design, SQL optimization, and security checks.
- Developed a scalable backend for hosting, user management, and real-time monitoring.

Volunteering

Community Vice Leader | ICPC SCU Community   2023 - 2024
I was managing the community training, events and competitions, I helped to develop new training systems

DEV Team committee founder and head | ICPC SCU Community   2023
I was managing the community's products like the official website, and I was the leader of the back-end developers. I used to assign tasks to members after designing the project's features.

IT specialist and Instructor | ICPC SCU Community   2022 - 2023
I was helping students to improve their skills in problem solving and Competitive programming. I also used to make problem sets and contest for level 0, 1 training.

Skills

Programming Languages   : C, C++, Python, JavaScript, Golang
Technologies & tools   : Django, Django REST, database, SQL, Git & Github
Miscellaneous   : Problem Solving, algorithms, Linux, SOLID principles, design patterns, System design

Certifications

Egyptian Collegiate Programming Contest (ECPC) | (Certificate Link)
I have achieved the 2nd place in my university and the 3rd place overall among 12 universities in 2023.

Back-End development with python | (Certificates Link)
Python - Databases - Version Control - Django Web framework - Django REST framework - Full Stack Development