

Mohamed Khaled El-Jundy

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Professional Summary

Passionate and results-driven Backend Developer specializing in **Node.js** and **Express.js**. Expert at designing and implementing scalable **RESTful APIs**, and clean architectures. Demonstrated ability to optimize application performance, containerize services with **Docker**, and collaborate across cross functional teams. Seeking to leverage hands-on Node.js project experience and AI/model training background in a dynamic internship or entry-level backend role.

Technical Skills

- **Languages & Frameworks:** JavaScript (ES6+), Node.js, Express.js
- **Web & APIs:** RESTful API design, JSON, HTTP
- **Databases:** MySQL, MongoDB
- **DevOps & Tools:** Docker, Docker Compose, Git, GitHub

Education

Bachelor's in computer engineering
Egypt

Ain Shams University, Cairo,

Expected Graduation: Sep. 2026

- Relevant Coursework: Data Structures & Algorithms, Software Design Patterns, Database Systems, Operating Systems

Project Experience

Distributed Online Marketplace

Backend Lead | Mar 2025 – May 2025

- Architected and modularized a Django-based e-commerce platform into micro-services (Users, Products, Orders), improving maintainability and enabling parallel development.
- Designed and implemented PostgreSQL-backed RESTful endpoints for core workflows (stock validation, order processing, user roles), ensuring data integrity and efficient querying.
- Deployed the PostgreSQL database and backend services to a cloud-hosted environment, ensuring reliable access and system availability.

EL-Nour Industrial Coatings Website

Frontend Developer | Jun 2025

- Developed a responsive and professional company website for El-Nour, an industrial coatings manufacturer, using React and modern web practices.
- Implemented a dynamic single-page layout showcasing the company's products and services.
- Ensured SEO optimization and mobile-first design for broader reach and engagement.
- Deployed the website to a live hosting platform for public access.

XML Editor Application

Desktop Developer | Mar 2024 – May 2024

- Designed and developed a fully functional desktop XML editor using Java, Java-FX.
- Implemented features including formatting, syntax validation, tag completion, and real-time error highlighting.
- Improved parsing efficiency and load time by optimizing data structures and XML traversal logic.
- Focused on clean code structure and intuitive UI for better user experience and maintainability.

Professional Experience

AI Trainer & Model Coder

National Telecommunication Institute, Cairo, Egypt | Nov 2024 – Sep 2024

- Annotate and refine datasets to train ML models, improving prediction accuracy by an average of 12%.
- Develop automation scripts in Python to streamline data preprocessing and model evaluation, reducing manual effort by 30%.
- Built a real-time sign language detection system using YOLOv8 and OpenCV, capable of identifying individual letters from webcam input.
- Fine-tuned pre-trained YOLO models on a custom ASL dataset and deployed the solution in a lightweight Python app.
- Collaborate with cross-functional teams to integrate AI components into client projects and deliver technical workshops to trainees.

Certifications & Courses

- **Backend Development with Express.js & Node.js** — Routing, Middleware, Authentication, Authorization, MySQL, MongoDB, npm/Yarn, Jun 2025
- **Fundamentals of Big-Data Analytics** — Python, NumPy, Pandas, May 2025

Additional Activities

- **LeetCode Practice:** Solving DSA problems weekly to sharpen algorithmic skills
- **University Tech Club:** Organized coding workshops and hackathons for peer learning

References available upon request