IBRAHIM EL KHANSA

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SKILLS

Languages:	English (Fluent), Arabic (Native)
Core Programming Skills:	JavaScript, TypeScript, SCSS, Python
Frontend/Backend:	React, Next.js, Nest.js, Node.js, Flask
Tools:	Supabase, Firebase, MongoDB, Snowflake, N8N, Storybook

WORK EXPERIENCE

Maids.cc Beirut, Lebanon
Process Improvement Analyst August 2025 - Present
Technologies: N8N, Workflow Automation, Prompt Engineering, Snowflake

- Designing and implementing workflows, automating operational tasks, analyzing and optimizing business logic, and driving process improvements across multiple business functions.

Freelance Beirut, Lebanon
Software Developer June 2025 - Present
Technologies: Next.js, Nest.js, Storybook, Atomic Design, Shadcn, Figma

- Developed multiple professional multi-tear client applications following SOLID principles and atomic design methodology for scalable, maintainable code architecture.

AUB Research Lab Beirut, Lebanon
Part Time Research Assistant June 2025 - August 2025
Technologies: React, Next.js, TypeScript

- Conducted computational research focusing on Arabic music theory by creating web tools to analyze and visualize complex musical concepts including tuning systems, transpositions, and modulations.

Murex Beirut, Lebanon
Java Software Development Intern June 2024 - August 2024
Technologies: Java Swing, Jenkins, Maven, Git, QA frameworks

- Enhanced the MX3 platform's Business Process Management module by developing, testing, and deploying UI components that reduced workflow errors and improved operational clarity for major financial institutions worldwide.

Fits Consulting Beirut, Lebanon
Digital Transformation Consultant Intern August 2022 - November 2022
Technologies: Bizagi, Java

- Analyzed client business needs and developed automated workflow solutions, creating admin portals and process models that streamlined operations for multiple client organizations.

EDUCATION

American University of Beirut (AUB) Beirut, Lebanon
BE in Computer Science Engineering & Minor in Economics Sep 2020 - May 2025

PROJECTS

Coursis (Link) - A platform that helps students efficiently generate optimal university schedules based on dynamic algorithms, custom data structures, and user preferences, now serving over 15,000 users.
Next.js, React, Firebase, advanced algorithms, and advanced data structures

H.A.D.I (Link) - A machine learning-powered platform that predicts diseases based on user-reported symptoms.
Python (Flask), TensorFlow, Jupyter Notebook, Docker, React, Next.js, and TypeScript

Portfolime (Link) - A modern web application that transforms CVs into customizable portfolio websites.
Next.js, TypeScript, SCSS, Firebase, OpenAI API for resume parsing, and PDF processing libraries

MusicLeb (Link) - A virtual hub for the Lebanese music scene that connects musicians, artists, and fans with a focus on performance optimization and community building, now with over 150 registered artists.
Next.js (CSR, SSR, SSG, ISR), React, TypeScript, and Firebase

Maqam Network (Link) - An educational platform for exploring Arabic music theory, featuring maqamat, ajnas, seyr, tuning systems, and interactive visualizations with dynamic audio playback.
Next.js, React, TypeScript, audio synthesis libraries, and advanced algorithms