

Mohamed Ashraf

Full Stack Developer

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Experience

Backend & IVR Intern — IST Networks

JUL 2026 – AUG 2026

- Developed backend services using **Java and Spring Boot**
 - Built and tested RESTful APIs for backend operations and data management.
 - Worked with **Cisco Unified Call Studio** to develop and configure **IVR** call flows.
 - Designed IVR interactions including voice prompts, menus, input handling, and call routing.
 - Integrated backend services with IVR applications to support dynamic call flows and data retrieval.
 - Debugged and tested IVR applications using logs, API testing, and development tools.
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Projects

Lead Developer — Tree

tree.m-7-m.com · 2024 – Present

A cross-platform desktop application for creating mind maps, flowcharts, and knowledge graphs — built with a privacy-first, local-storage architecture.

- Built a cross-platform desktop application using **Tauri, React, and TypeScript**.
- Developed an infinite node-based canvas with **React Flow**, supporting drag-and-drop, connections, and real-time editing.
- Implemented a **local-first file system architecture** using JSON files with zero cloud dependency.
- Built a collapsible node details system and multi-theme support with automatic OS dark-mode synchronization.
- Developed image export functionality and a **Next.js** landing page/download portal with SEO optimization.

Tech Stack: Tauri · Rust · React · TypeScript · React Flow · Vite · Tailwind CSS · shadcn/ui · Wouter

Education

Bachelor of Computer Science

Cairo Higher Institute for Engineering, Computer Science and Management 2019 – 2025

Technical Skills

Languages: JavaScript · TypeScript · Java · Dart · SQL · Bash

Frontend: React · Next.js · Vue · Nuxt · Svelte · Astro · Tailwind CSS · shadcn/ui · Three.js · React Flow

Backend & Databases: Node.js · NestJS · Hono · Express · Elysia · Spring Boot · Supabase · MongoDB · MySQL · PostgreSQL

Desktop & Mobile: Tauri · Flutter · Riverpod · Hive

Tools & Platforms: Git · GitHub · Vite · Bun · Figma · Linux · Vercel

Languages

- **Arabic** — Native
- **English** — Professional Working Proficiency