

# MOHAMED ELSAYED

## FULLSTACK DEVELOPER

mohammadelsayed002@gmail.com • +20 1093588197 • Alexandria, Egypt

[LinkedIn](#) • [Github](#) • [Portfolio](#)

### PROFILE

Full-Stack Engineer with 2+ years of experience in the TypeScript ecosystem (Next.js, React, NestJS). Specialized in building resilient, event-driven architectures and AI-integrated platforms. Proven track record in delivering high-performance, type-safe applications with integrated payment systems and automated media pipelines.

### EDUCATION

B.Sc. in Statistics & Computer Science - University of Alexandria.

### PROJECTS

#### CareerCast AI

##### GitHub Project

Full-Stack AI Orchestration Platform | Next.js 15, React 19, Inngest, tRPC, PostgreSQL

- Designed an all-encompassing AI-driven platform that comprises three primary micro-services:
  - An automated Podcast Generator (TTS/Image/PDF)
  - An Intelligent CV Reviewer
  - A Job-Tailored Cover Letter Generator utilizing Next.js 15 and OpenAI SDKs.
- Engineered a resilient AI orchestration pipeline using Inngest for durable execution. Implemented Atomic Step Functions with a 5-tier retry policy to manage complex workflows (Scripting → TTS → Asset Generation → Email) ensuring 100% task completion despite external API failures.
- Implemented a robust subscription and usage-limiting system using Polar and Better Auth, featuring a dual-tier architecture that manages automated trial counts for free users and unlocks premium AI models for Pro subscribers.
- Architected an end-to-end type-safe API layer using tRPC v11 and Zod, ensuring seamless data synchronization between the React 19 frontend and Prisma / PostgreSQL while eliminating runtime schema errors.
- Integrated a professional-grade media management layer using UploadThing for secure, centralized storage of high-fidelity MP3 streams, DALL-E generated cover art, and dynamically structured PDF briefs.

#### Flower Obsession

##### GitHub Project

Full-Stack E-Commerce Ecosystem | Next.js 14, NestJS, MongoDB, Stripe, i18n

- Architected a scalable full-stack e-commerce platform consisting of a Next.js 14 storefront and a dedicated NestJS (Node.js) backend supporting high-concurrency product browsing and complex florist business operations
- Implemented a custom Internationalization (i18n) strategy using Middleware-based routing, providing a fully localized experience in Arabic and English with SEO-friendly dynamic routing and Right-to-Left (RTL) layout support
- Integrated a secure multi-channel payment gateway supporting both Stripe Checkout and Cash on Delivery
- Developed a high-performance Admin Dashboard utilizing React Query for optimistic updates and caching, delivering real-time business insights, revenue analytics and seasonal trend tracking via a role-based access control (RBAC) system

### TECHNICAL SKILLS

**Frontend:** Typescript, React 19, Next.js 15 (App Router), Tailwind CSS v4, shadcn/ui, Zustand, Tanstack Query, Zod, Framer Motion, next-intl (i18n).

**Backend & Infrastructure:** Node.js, NestJS, Express.js, tRPC, Inngest (Durable Execution), RESTful APIs, OpenAI SDK, Microservices architecture.

**Database & Auth:** PostgreSQL, MongoDB, Prisma ORM, Better Auth, JWT, Stripe Integration, UploadThing, Firebase.

**Tools & DevOps:** Docker, CI/CD Pipelines, Jest (Unit Testing), Git, Vercel, Sentry (Observability).

**Methodologies:** SOLID Principles, Clean Architecture, Agile/Scrum.

### EXPERIENCE

#### Front-End Developer Elevate

Nov 2024- Jul 2025

- Collaborated in an Agile team of 8 to build a large-scale Next.js application, contributing to a high-velocity codebase (500+ commits) while managing feature integration and conflict resolution in weekly merge meetings.
- Engineered modular features using Next.js (App Router), Next-Auth, and Next-Intl (i18n), maintaining strict clean code standards and utilizing Jira/GitHub for production-level task tracking and code reviews.
- Managed the development workflow by assigning tasks in Jira, overseeing GitHub pull requests and conflict resolution, and coordinating team communication via Slack to ensure high-quality delivery [Project Link](#).