

# Omar Ehab

Senior Software Engineer

Alexandria, 21532

+201113060202 | +201094388918

omar.ehab510@gmail.com

[omarehab.net](http://omarehab.net) | [linkedin.com/in/omar-ehab](https://linkedin.com/in/omar-ehab) | [github.com/omar-ehab](https://github.com/omar-ehab)

## PROFESSIONAL SUMMARY

Senior Software Engineer with 6+ years architecting and building scalable, high-performance full-stack systems with TypeScript, Node.js (NestJS), React, Vue.js, and microservices on PostgreSQL, MongoDB, Redis, and AWS. Proven record of guiding engineering teams, scaling platforms to hundreds of thousands of active users, and integrating AI-driven features into production. Strong in system design, performance tuning, and cross-functional collaboration.

## EXPERIENCE

### Senior Software Engineer

Apr 2025 - Present

Easygenerator · Dubai, United Arab Emirates  
Full-Time (Hybrid)

- Engineer the frontend of EasyVideo, an AI training-video editor with 150+ AI avatars, 350+ voices, and one-click localization across 75 languages, turning PowerPoints and screen recordings into polished videos in ~30 minutes versus weeks.
- Migrated the editor from a single-scene to a multi-scene architecture, enabling slide-style editing where each scene updates independently.
- Created a PowerPoint-to-JSON engine that converts decks of up to 50 slides into editable video scenes in under 2 seconds.
- Develop backend services, APIs, and microservices powering AI-driven features and high-performance video processing.
- Partner with the 8-person EasyVideo team to ship production-ready solutions and resolve cross-stack technical challenges.

### Senior Software Engineer

May 2024 - Apr 2025

A1G · Saudi Arabia  
Part-Time (Remote)

- Re-architected the SEEC government website on Next.js (React) and Directus CMS, raising SEO and performance by ~90% to a 95+ Lighthouse score while meeting accessibility standards.
- Broadened reach to users with diverse needs through accessibility improvements aligned to modern web standards.
- Shipped full-stack features for the 2ndhome platform with a Laravel (PHP) backend and Next.js (React) frontend.
- Translated business requirements into production-ready solutions alongside designers and stakeholders.

### Senior Software Engineer

Feb 2024 - Apr 2025

WeeFlare · Abu Dhabi, United Arab Emirates  
Full-Time (Remote)

- Scaled the platform from 1,500 to 200,000+ active users through architectural redesign and performance work.
- Engineered a Redis-backed caching and WebSocket layer that sustained 100,000+ concurrent real-time connections.
- Designed a distributed PostgreSQL and MongoDB data architecture for reliability at scale.
- Rebuilt the React admin dashboard, improving load time by ~68% and adding moderation and operations tooling.
- Led and mentored a team of 4 engineers, driving delivery of all major initiatives.

## Software Engineer (Full-Stack)

Feb 2023 - May 2024

KAD Integrated Information Systems · Saudi Arabia

Full-Time (Remote)

- Led end-to-end delivery of the Commission of Saudi Arabia System on an N-tier architecture designed for scale, security, and maintainability.
- Built the frontend with React (Next.js), Budibase dynamic e-forms, and a Directus headless CMS.
- Secured the platform with Keycloak IAM, enabling authentication and role-based access control.
- Architected a multi-database backend (MySQL and CouchDB) with Redis caching and MinIO object storage.
- Containerized and orchestrated services with Docker and Docker Compose for consistent deployments.
- Integrated the SWCC system with two enterprise SAP platforms (Ariba and S/4HANA) via Ruby on Rails, MySQL, Redis, and MinIO.

## Full-Stack Developer

Aug 2018 - Present

Freelance · Alexandria, Egypt

- Delivered end-to-end web applications for 38+ clients over five years, owning frontend and backend across Node.js (NestJS), Laravel (PHP), and Ruby on Rails.
- Crafted responsive React.js and Next.js interfaces backed by MySQL and PostgreSQL with Redis caching.
- Enabled real-time features using WebSockets (Socket.IO).
- Secured video-streaming workflows with content encryption to protect assets in delivery.
- Collaborated in cross-functional teams of up to 3 developers to ship production-ready products.

## Software Engineer

Mar 2022 - Mar 2023

Egyptian Armed Forces · Alexandria, Egypt

Full-Time (Military Service, On-site)

- Directed end-to-end development of the Organization and Administration Division system for the Northern Military Region, spanning frontend and backend.
- Automated daily administrative workflows, cutting manual effort and boosting operational efficiency.
- Produced dynamic reports that reduced daily paperwork by 75% and accelerated decision-making.
- Refactored and tuned legacy systems for stronger performance and reliability.
- Stack: Python, Django, PostgreSQL, JavaScript, CSS, IIS.

## Software Engineer

Jul 2019 - Sep 2019

Incorta · Alexandria, Egypt

Part-Time (On-site)

- Engineered Java and Java EE backend services for the Incorta Control Tower, processing high-volume data from the Incorta Data Engine.
- Created interactive ReactJS and TypeScript dashboards for clear, real-time data visualization.
- Focused on performance, scalability, and maintainability to support growing data workloads.

## Software Engineer

Jul 2018 - Sep 2018

BADR · Alexandria, Egypt

Internship (On-site)

- Built the HR system's Project Management (PMP) module in Ruby on Rails, focusing on backend logic and data integrity.
- Added dynamic jQuery interactions and tuned PostgreSQL queries for efficient data access.

## OPEN SOURCE

- [laravel-aramex](#) (Author) — Composer/PHP package integrating the Aramex courier API: rate calculation, pickups, shipment creation, label printing, and tracking.
- [tafgeet-arabic](#) (Author) — Published npm/TypeScript package converting numeric amounts into grammatically correct written Arabic for invoices and legal documents; 24 currencies, dual ESM/CJS build, 1,000+ tests.
- [Nafezly/payments](#) (Contributor) — Helped architect the codebase of this widely-used Laravel package (479 GitHub stars) with design patterns (a gateway factory and a shared payment interface), making it easy for contributors to plug in new gateways — 30+ supported, including Paymob, Fawry, PayTabs, PayPal, Stripe, and crypto.

## SKILLS

JavaScript, TypeScript, HTML, CSS, Bootstrap, Tailwind CSS, React, Next.js, Vue.js, Redux, React Query, jQuery, Ajax, Node.js, Express.js, NestJS, Laravel (PHP), Ruby on Rails, Python, Django, Java, Java EE, REST APIs, GraphQL, WebSockets (Socket.IO), Microservices, System Design, PostgreSQL, MySQL, MongoDB, CouchDB, Redis, Docker, Docker Compose, AWS, Nginx, MinIO, Keycloak, Directus, Budibase, Git, Agile (Scrum, Kanban)

## EDUCATION

### Bachelor of Engineering (B.E.) – Computer Engineering

Sep 2016 - Jul 2021

*Pharos University, Alexandria*

*GPA: 3.25*

*Activities: IEEE PUA SB*

## LANGUAGES

Arabic (Native) · English (Professional Working Proficiency)

## LICENSES & CERTIFICATIONS

**Web Security – API – Web Development – HTML & CSS – Coding Intro – JavaScript – GIT – Java – Node.js – Web Services – Express Web Framework**

All courses certified by IBM in 2018

## VOLUNTEERING

### Web Developer Volunteer

Oct 2017 - Oct 2019

*IEEE*

## PERSONAL INFORMATION

**Birthdate:** 10/08/1996 · **Marital Status:** Single · **Military Status:** Completed