

Karim Essac

+20 120 098 9845 | karimessac@gmail.com

[!\[\]\(919a2cb85b99741a73c0c31a427236a8_img.jpg\) LinkedIn](#) | [!\[\]\(c9cd5a1c35167a83f09a35036fe5dcbd_img.jpg\) Github](#) | [!\[\]\(ae1936640fabdea8c18f922ca69733fe_img.jpg\) Portfolio](#)

Cairo, Egypt

OBJECTIVE

Junior Full-Stack Software Engineer with hands-on experience building 10+ real-world freelance and production projects from back-end architecture and database design to responsive front-end interfaces. Primarily focused on React, Next.js, and Node.js, with additional experience in TypeScript, Angular, PHP, Laravel, MySQL, and PostgreSQL. Built and delivered complete web applications, REST APIs, authentication systems, admin dashboards, and scalable database-driven platforms used by real users, including e-commerce platforms, management systems, search engines, POS systems, and custom SaaS applications.

EXPERIENCE

- Aviation AI Data Labeling Specialist – Reviewer** 01/2026 - Present
Alignerr Freelance - Remotely
 - Transcribed and verified aviation communications between ATC and pilots across ground, ramp, and tower channels.
 - Ensured high accuracy of callsigns, taxi instructions, waypoints, headings, and standard aviation phraseology.
 - Reviewed and corrected annotated data to maintain consistency and quality standards.
 - Served as a Reviewer, auditing team outputs and providing actionable feedback to improve performance.
 - Developed a Chrome extension to enhance annotation speed and team accuracy.
 - Contributed to building structured, high-quality datasets for AI training systems.
 - Tools: Chrome Extensions, Data Annotation, QA Review
- AI Trainer – Front-End Engineering & UI Quality** 04/2025 - 08/2025
Scale AI Freelance - Remotely
 - Built production-ready front-end pages under strict design and functional guidelines to improve AI model outputs.
 - Ensured interfaces were responsive, accessible, and aligned with real-world engineering constraints.
 - Evaluated AI-generated designs, providing actionable feedback to guide models toward practical, user-centric solutions.
 - Built interactive tools used to enhance AI outputs.
 - Tools: React, TypeScript, Next.js, Tailwind CSS

EDUCATION

- Bachelor's Degree in Computer Science** 10/2021 - 07/2025
El-Shorouk Academy El-Shorouk, Egypt
 - Grade: Very Good
 - Graduation Project: Game Zone - Excellent

PROJECTS

- Fantazina : [Fantasy League Platform]** 10/2025 - Present
Tools: [React, Typescript, Bootstrap, PHP, MySQL, Laravel] 
 - Built a full fantasy league making platform with leagues, teams, transfers, captains, and power-ups
 - Designed complex data models to handle dynamic team stats, scoring rules, and real-time leaderboards
 - Optimized performance bottlenecks to ensure fast, smooth experience under concurrent load
 - Implemented secure interfaces with role-based access control and OTP authentication
 - Delivered responsive, production-ready platform serving 1,500 concurrent users in the first month
 - Engineered and validated 16 distinct league configurations based on customizable competition rules and settings, covering all supported parameter combinations through automated testing to ensure consistent scoring, standings, and league behavior.
- El-Malak Theatre Cafeteria System : [POS & Inventory Management Platform]** 05-2026 - 09-2026
Tools: [React, TypeScript, Electron, Node.js, Express, PostgreSQL, Prisma, Socket.IO, Tailwind CSS] 
 - Built a production-grade cafeteria management platform integrating point-of-sale, inventory, online ordering, kitchen display, and financial reporting workflows
 - Developed a cross-platform architecture with an Electron desktop application, React customer website, Express API, and shared TypeScript models

- Implemented real-time order and inventory synchronization across cashier, kitchen, customer, and display interfaces using Socket.IO
- Designed a PostgreSQL database with Prisma ORM to manage products, stock movements, suppliers, transactions, refunds, customers, and financial records
- Added secure staff authentication, role-based access control, session management, and protected administrative operations
- Delivered a standalone Windows executable with automated builds, GitHub release updates, barcode support, keyboard shortcuts, and light/dark kiosk interfaces
- Improved production availability through health monitoring, automatic reconnection, multi-machine failover, and Cloudflare Tunnel integration

SKILLS

- **Programming Languages:** C++, JavaScript, TypeScript, PHP, SQL
- **Front-End Development:** CSS, ES6+, Bootstrap, Tailwind, Fetch API, Next.js, React, Angular, Express.js
- **Back-End Development:** Laravel, MySQL, Node.js, WordPress Development, REST APIs , JWT, Authentication
- **Advanced Web Development:** Performance Optimization, Web Accessibility, Responsive Design
- **Database Systems:** MySQL, PostgreSQL, Firebase Realtime Database
- **Other Tools & Technologies :** Git, GitHub, VS Code, Postman, Agile/Scrum, Figma, Chrome DevTools, CI/CD, Docker, AWS
- **Soft Skills:** Problem Solving, Active Searching, Adaptability, Time Management, Communication, Critical Thinking, Leadership, Team Collaboration, Analytical Thinking, Continuous Learning, Attention to Detail, Creativity

CERTIFICATIONS

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| • Full-Stack Development Diploma Instant Academy | 08-2024 |
| • Angular Diploma Angular Academy | 07-2024 |
| • ITI Web Development Training ITI | 09-2024 |
| • Certified Freelancer Freelanzwya | 01-2026 |

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Fluent)