

Abdelrahman Selim

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PROFILE SUMMARY

Full-Stack Software Engineer with a specialized focus on Frontend Architecture, building scalable, high-performance SaaS applications using React, Next.js, Node.js, and TypeScript. Strong foundation in state management, clean architecture, and client-side optimization. I have hands-on experience in building integrated systems, having worked on both the frontend and backend sides of projects. I always strive to ensure that the technical solutions I work on deliver real business value.

EDUCATION

Zagazig University

BSc Computer and Information Systems (GPA: 3.4/4.0).

Zagazig, Egypt

2023 – Expected 2027

Information Technology Institute (ITI)

Web Development Using React JS (Summer Program)

Completed Aug. 2025

PROJECTS

Note: Showcasing major full-stack and SaaS systems. Numerous additional learning and minor projects are available on GitHub.

Comprehensive HRMS & Recruitment SaaS Suite | [Next.js](#), [Node.js](#), [Prisma](#)

Dec. 2025 – June 2026

- **System Overview:** Co-engineered an enterprise SaaS ecosystem integrating a core internal HRMS for managing employee lifecycles, complex payroll/incentive calculations, department leadership hierarchies, and deep asset custody workflows.
- **Enterprise Core Architecture (Full-Stack):** Developed the end-to-end architecture for **Assets, Departments, Jobs, Insurance, and Reporting** modules ([Live](#) | [GitHub](#)). Built robust features using Node.js, Express, and Prisma ORM, strictly applying Clean Architecture (Repository/Service/Controller patterns) and TypeScript interfaces to ensure maintainable, type-safe data flow behind a reverse proxy.
- **Candidate Recruitment Portal:** Fully owned the frontend engineering of the public recruitment web portal ([Live](#)). Built interactive interfaces enabling candidates to seamlessly browse, search, and execute multi-criteria filtering on job openings natively.
- **Performance Optimization:** Implemented route-based code splitting ([React.lazy](#)), dynamic component loading, WebP asset optimizations, and React Query caching pipelines, dropping initial payload size by 45% and achieving a verified **93% Performance** and **95% SEO** score on Lighthouse.

Zag-Eng-Family – Academic Management | [Live](#) | [GitHub](#) | [React](#), [RTK Query](#)

Feb. 2025 – May 2026

- **System Overview:** Collaborated on building a centralized academic ecosystem serving 5,000+ engineering students at Zagazig University, enabling seamless browsing, filtering, and registration for upcoming and past events/workshops across various technical fields.
- **Administrative Hub:** Contributed to the development of an administrative dashboard to oversee users, event/workshop lifecycles, educational tracks, departmental structures, and organizing team assignments, ensuring efficient administrative control.
- **Frontend Engineering:** Contributed to frontend development within a cross-functional team, implementing complex bilingual (AR/EN) forms using React Hook Form and Zod to handle deeply nested data with strict type-safe validation.
- **Performance Optimization:** Applied comprehensive production-level optimizations, reducing initial JavaScript bundle size by 40% and minimizing redundant network traffic via optimized RTK Query caching strategies.

Rochetta – E-Commerce Pharmacy SaaS | [Live](#) | [GitHub](#) | [React.js](#), [RTK Query](#)

Jul. 2025 – Aug. 2025

- Led the complete frontend development, architecting a highly responsive SaaS web client featuring a dynamic product catalog and an optimized global shopping cart system available for pharmacy integration.
- Leveraged RTK Query to construct efficient server-state data fetching and automated background cache synchronization, reducing redundant network data traffic by 35%.
- Improved rendering speed by enforcing component-level code splitting and asset lazy loading, achieving a 30% reduction in Time to Interactive (TTI).

Business Incubator Platform | [Live](#) | [GitHub](#) | [Electron.js](#), [React](#)

Jan. 2026 – Feb. 2026

- Collaborated within a team to build a business incubator management platform consisting of a web portal and a dedicated desktop dashboard for administrators.
- Contributed to developing the cross-platform desktop dashboard using Electron.js and React, enabling administrators to track startup progress, manage resources, and streamline operational workflows.

- Worked alongside teammates to integrate the desktop environment with the overall platform ecosystem and provide a unified management experience.

Ketabak – E-Commerce Bookstore | [Live](#) | [GitHub](#) | *Vanilla JS (ES6+), HTML5, CSS3* Dec. 2025

- Built a responsive e-commerce storefront using pure Vanilla JavaScript to deepen understanding of low-level DOM manipulation, browser rendering lifecycles, and client-side state handling.
- Implemented efficient search, multi-criteria filtering, and pagination features while maintaining lightweight performance without framework dependencies.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Framer Motion, HTML5, CSS3

Backend & Database: Node.js, Express.js, Prisma ORM, PostgreSQL, MongoDB, Clean Architecture

State Management & Fetching: Redux Toolkit, RTK Query, React Query, Zustand, Context API

Forms & Validation: React Hook Form, Zod

Tools & Practices: Git, GitHub, Jira, Agile/Scrum, Electron.js, Reverse Proxy Integration

CERTIFICATIONS

Web Development Using React JS (145 hrs) | *Information Technology Institute (ITI)* Aug. 2025

Algorithm Analysis | *Udemy* June 2025