

Abdulrahman E. Elbedawey

Full-stack Developer

📍 Alexandria, Egypt Military Status: Completed

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Profile

Versatile and detail-oriented Full-Stack Developer with proven expertise in designing, building, and optimizing web applications from front-end to back-end. Skilled in React, Next.js, Tailwind CSS, Framer Motion for creating seamless user interfaces, as well as Node.js, PHP, Electron, and SQL (SQLite, SQL Server) for robust server-side logic and data management. Experienced in automating workflows, integrating APIs, and delivering scalable, high-performance solutions. Quick to learn new technologies and adept at collaborating with cross-functional teams to drive impactful, user-centric products.

Internships

Information Technology Institute (ITI) Intensive Training Program, Alexandria, Egypt **2024/11 – 2025/3**

- Web Development using (Content Management Systems) CMS.

Egypt-India Center for Excellence in IT, Cairo, Egypt **2019/11 – 2019/12**

- Web Development training with a focus on front-end fundamentals.

Work Experience

Freelance **2025/1 – Present**

- **Multi-Language News & Social Intelligence Platform**

Technology: Node.js, Express.js, MongoDB (Mongoose), Puppeteer, Cheerio, NLP.js (Arabic), React (Vite), Cron, JWT Auth

Architected a modular multilingual ingestion pipeline (English/Arabic) integrating web scraping, language-aware cleaning, deduplication, and structured storage. Implemented pre-fetch deduplication with sampling and indexed lookups to minimize redundant fetches. Developed an Arabic NLP categorization service (NLP.js) integrated into editorial workflows. Engineered a Twitter ingestion and analytics layer with advanced search filters, pagination, automated daily batch jobs, CSV export, and engagement metrics. Built a multi-source Person Intelligence & Caching system aggregating Wikidata, Wikipedia, Twitter, and Google News, with timeline synthesis, freshness scoring, and conflict detection. Delivered robust CLI presets and scheduled cron collection, enhanced with structured logging, debug flags, HTML dumps, screenshots, and resilient error handling to ensure maintainability and reliability.

- **Enterprise Request Management System for a Confidential Organization in KSA**

Technology: Electron, React, SQLite, React Hook Form, Tailwind CSS, Better-SQLite3

Developed a high-performance Arabic form management system handling 1M+ records with 40+ interdependent fields, automated reference generation, hierarchical region-governorate dropdowns, and conditional field validation. Optimized SQLite queries with strategic indexing, achieving sub-100ms response times across complex workflows.

- **Custom Power BI Geospatial Visual for Saudi Regional Analytics**

Technology: TypeScript, D3.js, Power BI API, GeoJSON, QGIS

Built an interactive, enterprise-grade map visual with QGIS-based boundaries, synchronized cross-visual selection, dynamic tooltips, and intelligent data-geography matching. Achieved 40% performance improvement over standard Power BI visuals.

- **Mahmoud Darwish Organization Website (Part-time, [Link](#))**

2024/08 – 2025/2

Technology: Tailwind CSS, React.js, Firebase, Figma, Photoshop

Revamped the website with a modern, fully responsive UI while strategically minimizing Firebase API requests to maintain performance and reliability. Leveraged free Netlify hosting to eliminate monthly costs.

Education

El Azhar University, Faculty of Commerce

2018 – 2022

Major: Statistics

Skills & Abilities

- **Programming Languages:** C++, Data Structures, Algorithms, HTML, CSS, JavaScript, TypeScript, SQL, PHP, Python
- **Libraries & Frameworks:** React.js, Next.js, Tailwind CSS, D3.js, Redux, React Router, Framer Motion, Jest, WordPress, Electron, Familiar with Node.js
- **Tools & Platforms:** GitHub, Netlify, Photoshop, Figma, Notion, SEO

Language Skills

Arabic: Native — **English:** Fluent