Mahmoud Alaa Ibrahim Mostafa

Software Engineer

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Summary

Software Engineer specialized in React, Next.js, TypeScript, and modern frontend frameworks, delivering sleek and responsive web applications. Strong foundation in data structures, algorithms, and problem-solving, with proven teamwork, adaptability, and leadership through freelance projects, internships, and ICPC mentorship.

Education

Faculty of Engineering, Sohag University   September 2020 – August 2025
Bachelor of Engineering in Electrical Engineering   Grade: Very Good
Graduation Project: AI-powered Education Platform (Schooly)

Experience

Freelance Web Developer   Ongoing
Remote   *Mostaql, UpWork*
- Managed full project cycles, from task breakdown to on-time delivery.
- Collaborated with UI/UX designers and backend developers in **Agile** environments.
- Strengthened skills in **client communication**, **problem-solving**, and turning ideas into real, functional products.

React Web Developer Intern   April 2024 – October 2024
Remote   *Digital Egypt Pioneers Initiative (DEPI)*
- Built responsive interfaces using React, Tailwind, MUI & Bootstrap.
- Gained experience with Context API, Authentication, and advanced React Hooks.
- Adapted quickly to team workflows and learned advanced tools under tight deadlines

Web Design Fundamentals Trainee   July 2023
Information Technology Institute (ITI)
- Learned HTML, CSS, and responsive design using modern layout techniques such as CSS Grid Layout.
- Delivered 3 mini-projects under supervision with peer code reviews.

Projects

Schooly – AI-powered Education Platform (Graduation Project)   2025
Next.js, TailwindCSS, Video Call Using Agora, Face Recognition AI, Framer Motion
- Developed a full-stack school management system for online classes and smart attendance.
- Integrated Agora video SDK and facial recognition for real-time class tracking.
- Collaborated with backend, mobile, and UI/UX teams across 3 sprints, ensuring seamless experience for 50+ test users.

The Wild Oasis – Hotel Management App   2024
React, Supabase, React Query, Styled Components, React Hook Form
- Created an interactive admin dashboard to manage cabins, bookings, and guest data.
- Included features such as sales analytics, filters, dark mode, and form validation using React Hook Form.

Achievements

- **Specialist on Codeforces** – Solved 2000+ problems in data structures and algorithms.
- Qualified ACPC 2024 (Top 1%) | ECPC 2024 (28th Qualifiers, 65th Finals)
- ECPC 2022 Qualifiers (15th – Top 5%)

Extracurricular Activities

Mentor & Instructor, ICPC Sohag   2022 – Present
Sohag University
- Mentored 150+ students in **algorithms**, **data structures**, and **C++** problem-solving.
- Designed training plans and prepared teams for ICPC contests.
- Organized local competitions and technical workshops.

Technical Skills

- Languages: C/C++, JavaScript, TypeScript
- Web: HTML5, CSS3, Bootstrap, TailwindCSS, React, Next.js, Redux, Context API, AJAX
- Problem Solving: Data Structures, Algorithms, OOP, Design Patterns
- Tools & Platforms: Git, GitHub, Figma