Hassan Mohamed Hassan *Frontend Developer*

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Profile

Frontend Developer with 2 years of experience specializing in React.js and Next.js.
Skilled in building scalable, high-performance web applications using modern tools such as TypeScript, Tailwind CSS, and REST APIs.
Experienced in version control systems, especially Git and GitHub, ensuring efficient collaboration and code management.
Proficient in SEO best practices, accessibility standards, and responsive design to deliver optimal user experiences.
Committed to delivering high-quality UI/UX within Agile development environments, continuously improving through code reviews and testing.

Education

Al-Sewedy International School for Applied Technology and Software

High School Student – Specialized in Programming and Software Development

2023/09 2026/07

Professional Experience

Frontend Developer – Recyclonic Project
Remote | 2024 – Present

- Developed and maintained the frontend of Reacyclonic, a web platform focused on e-waste recycling.
- Built responsive user interfaces using React.js, TypeScript, and Tailwind CSS.
- Integrated RESTful APIs for real-time waste tracking and user authentication.
- Collaborated with team members using Git and GitHub for version control and code reviews.
- Followed Agile development practices to ensure continuous delivery and improvement.

TECHNICAL SKILLS

Programming Languages:
- JavaScript, TypeScript, C++,C#

Database Management:
- Microsoft SQL Server, Database Design

Version Control:
- Git, GitHub, GitFlow

Additional Expertise:
- Data Structures, SignalR

Problem Solving & Algorithms:
- Data Structures, Algorithmic Thinking, Coding Competitions (e.g., ACPC Teens)

Frontend Tools & Frameworks
React Router, Redux, SWR, Axios, Context API

Software Development:
- Design Patterns, SOLID Principles, Agile, Azure DevOps

Development Workflow:
- Agile, Code Reviews, Testing Basics

UI/UX & Design:
- Figma, Adobe Photoshop, Adobe Premiere Pro, Accessibility (a11y)

{} Projects

Recyclonic – E-Waste Recycling Platform
Technologies: *React.js, Node.js, MongoDB, TypeScript, RESTful APIs, Git, GitHub*

- **Project Overview:**
  Developed Recyclonic, a platform for collecting and recycling electronic waste, with the aim of contributing to sustainable development by reusing parts of old electronic devices.
- **Features:**
  - User Registration & Authentication: Enabled customers to register and log in securely to track their recycling activities.
  - Waste Collection System: Customers can schedule e-waste pickup from their homes, which is then processed and sorted for reuse or recycling.
  - Inventory Management: The system includes features to monitor usable parts, damaged items, and the recycling process.
  - Collaboration with Recycling Companies: Integrated a system that facilitates partnerships with electronic waste recycling companies to process non-reusable parts.
- **Technologies Used:**
  - Frontend: Built using React.js and TypeScript for a dynamic and responsive user interface.
  - Backend: Node.js and Express.js for building RESTful APIs and handling server-side operations.
  - Database: MongoDB for storing user data, waste items, and recycling activities.
  - Version Control: Managed the project using Git and GitHub for collaboration and version control.
- **Impact:**
  - The project aims to reduce electronic waste by encouraging people to recycle old devices and parts, contributing to both environmental sustainability and community awareness.
- **Future Plans:**
  - Exploring integrating CI/CD for automating deployments and improving the overall development cycle**.**

Certificates

- **Fanni Moptacer – Innovation Competition**
  Issued: 2024
  Participated in the Fanni Moptacer Innovation Competition with a project focused on electronic waste recycling and advanced to the finals.
- **ISEF (International Science and Engineering Fair)**
  Issued: 2024
  Presented a project on electronic waste recycling at ISEF and was qualified for the international exhibition.
- **EISTEF (Engineering and Innovation Science and Technology Exhibition)**
  Issued: 2024
  Participated in EISTEF with a project focusing on innovative solutions for reducing electronic waste using modern technologies.
- **UGRF (Undergraduate Research Forum)**
  Issued: 2024
  Took part in the UGRF competition with a project related to electronic waste recycling and was shortlisted as a finalist**.**

Activities

Volunteer Work – E-WasteManagement
Volunteered in electronic waste recycling awareness initiatives.

Technology Workshops
Participated in workshops focused on React.js, and JavaScript.