Aya Adel

Front-End Developer

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Professional Summary

Frontend Developer (Angular) with extensive experience in building responsive single-page applications (SPA) using HTML, CSS, JavaScript,NgRx, and TypeScript. Proficient in Angular architecture including routing, guards, services, and reusable components. Strong problem-solving skills with object-oriented programming experience in C++. Passionate about clean code, performance optimization, and continuous learning.

Technical Skills

Front-End: HTML5, CSS3, Responsive Design, Bootstrap, Tailwind CSS,Angular Material,NgRx,RxJs
Languages: TypeScript, JavaScript (ES6+), C++
Frameworks / Libraries: Angular
Tools: Git, GitHub, VS Code
Concepts: OOP, Data Structures & Algorithms, REST APIs

Professional Experience

Route Academy Egypt   Cairo, Egypt
Front-End Diploma (Angular)   *Jun 2025 – Jan 2026*

- Developed dynamic web applications using Angular, TypeScript, HTML, and CSS.
- Implemented responsive UI/UX designs with Tailwind CSS and Bootstrap.
- Built reusable components and services following best practices and Angular design patterns.
- Integrated APIs and managed state to create efficient, maintainable front-end applications.
- Collaborated in team projects simulating real-world development environments.

Route Academy Egypt   Cairo, Egypt
Programming Fundamentals Diploma   *Nov 2024 – May 2025*

- Built projects demonstrating understanding of algorithms, data structures, and OOP principles.
- Participated in hands-on labs and coding challenges to strengthen practical software development skills.

Projects

FreshCart E-Commerce | View Code | Live Demo
Angular 20 — TypeScript — Tailwind CSS

- Built a responsive SPA e-commerce app with product listing, cart, and checkout features.
- Implemented JWT authentication, route guards, and HTTP interceptors for security and error handling.
- Integrated Stripe payments and developed checkout workflows using Reactive Forms with custom validators.
- Improved performance using lazy loading, reusable components, and mobile-first Tailwind CSS design.

Social Media Application | Live Demo | View Code   2026
Angular 21 — TypeScript — Angular Material — Tailwind CSS — Signals

- Developed a responsive social media app using Angular 21 Signals for reactive state management.

- Implemented full CRUD for posts and comments with real-time user interactions.
- Built authentication flows (register, login, password reset) and HTTP interceptors for token and error handling.
- Designed mobile-first UI with Angular Material and Tailwind CSS, including dark mode support.

Note Management Application | View Code   2026
Angular — NgRx — Angular Signals — TailwindCSS — REST API
- Developed a full-featured Notes Management SPA using Angular with scalable architecture.
- Implemented state management using NgRx (Actions, Reducers, Effects, and Entity Adapter).
- Applied Angular Signals for reactive UI updates and optimized change detection performance.
- Designed a fully responsive and modern UI using TailwindCSS.
- Integrated RESTful APIs with proper async side-effect handling .
- Structured the project using clean architecture and separation of concerns.

E-commerce JavaScript Application | Live Demo | View Code   2025
HTML5 — CSS3 — Bootstrap — JavaScript
- Built a responsive e-commerce web app using vanilla JavaScript and a public REST API.
- Implemented CRUD operations with category and price-based filtering.
- Developed multi-page navigation and UI using JavaScript and Bootstrap.
- Enhanced state handling, API integration, and overall user experience.

Yummy Meals Application | Live Demo | View Code   2025
HTML — CSS — JavaScript
- Built a responsive meals browsing web app using JavaScript and TheMealDB API.
- Implemented filtering by category, area, meal name, and first letter.
- Fetched and displayed detailed meal data including ingredients and cooking instructions.
- Improved user experience with clean UI and intuitive navigation.

Daniels Website | View Code | Live Demo
HTML5 — CSS3 — Bootstrap — Responsive Design
- Built a fully responsive website using HTML5, CSS3, and Bootstrap .
- Implemented modern layouts, reusable UI components, and interactive navigation.
- Optimized the user experience across mobile, tablet, and desktop devices.

E-Commerce Console Application | View Code   2024
C++ — OOP
- Developed an object-oriented e-commerce console application with product management, cart operations, and checkout flow.
- Implemented a polymorphic product hierarchy supporting digital, physical, and perishable products.
- Built a shopping cart with real-time inventory validation and automatic stock updates.
- Designed a payment system including shipping cost calculation and balance validation.
- Applied OOP principles, smart pointers, and modular design patterns.

Banking System | View Code   2024
C++ — OOP
- Built a multi-role banking system with Client, Employee, and Admin modules.
- Implemented secure authentication and role-based access control.
- Developed core banking features: deposits, withdrawals, and fund transfers.
- Created admin dashboards for managing clients and employees with full CRUD operations.
- Integrated file handling for persistent data storage across sessions.

Education

Beni Suef University   Beni Suef, Egypt
Bachelor of Science in Physics,Graduated with Very Good   *Oct 2020 – Jul 2024*
- Graduated with 83.90% (GPA: 3.39)

LANGUAGES

- **Arabic:** Native Speaker

- **English:** Intermediate (B1) – Technical Documentation & Communication