

RAFYA Hamza

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 [hamza-rafya](#) |  [RYham](#)

Rabat, Morocco

OBJECTIVE

I am a Front-End Developer with a background in Embedded Systems Engineering, which has strengthened my problem-solving and analytical skills. Passionate about crafting modern and interactive web applications using React.js, Next.js. I have experience developing E-commerce platforms, digital agency websites, and intuitive UI/UX designs.

PROJECTS

- **MYportfolio: My personal website to showcase skills, experience, and projects.** November - December 2024
Tools: React.js, Vite, Javascript, Tailwind CSS, Git, Figma 
 - Developed a product listing and shopping cart system for simulating core e-commerce functionality.
 - Implemented dynamic interactions with JavaScript for cart updates.
 - Created responsive UI components to ensure cross-device compatibility
 - Applied DOM manipulation to manage product rendering and user actions
- **ClAmazon: Clone Amazon with product browsing, cart, and responsive design** July - September 2024
Tools: HTML, CSS, Javascript, HTML DOM, BEM Methodology, Git, Figma 
 - Developed a product listing and shopping cart system for simulating core e-commerce functionality.
 - Implemented dynamic interactions with JavaScript for cart updates.
 - Created responsive UI components to ensure cross-device compatibility
 - Applied DOM manipulation to manage product rendering and user actions
- **MarketiFy: A responsive digital agency landing-page showcasing services** September - November 2024
Tools: HTML, CSS, Javascript, HTML DOM, BEM Methodology, Git, Figma 
 - Developed a responsive landing-page for a digital marketing agency.
 - Implemented service sections for social media marketing and content creation.
 - Created clean and modern UI components to showcase agency offerings and client value.
 - Applied design and layout principles to ensure user-friendly navigation and an optimized user experience.
- **Meals App: for various cultures and categories.** September - December 2023
Tools: Dart, Flutter, Firebase, HTTP, Figma, Git 
 - Developed a mobile app using Flutter to explore meals by category and culture.
 - Implemented API integration via HTTP to fetch meal data dynamically.
 - Created interactive UI components from Figma designs for a seamless user experience.
 - Applied state management to ensure smooth data flow and responsive interactions.

EDUCATION

- **Self-Driven Learning** 2024 - Present
Online Courses & Projects Remote
 - Front-End Development – React.js & Next.js
- **National School of Arts and Crafts** 2020 - 2023
Engineer's Degree Rabat, Morocco
 - Digital Systems Engineering
- **Higher School of Technology** 2017 - 2020
Bachelor's Degree Meknes, Morocco
 - Electrical Engineering
- **Technical High School** 2017
Baccalaureate Laayoune, Morocco
 - Science and Electrical Technology

EXPERIENCE

• Alten Delivery Center

October 2023 - Present

Embedded Systems Engineer

Rabat, Morocco

- Present the team in various Design Groups to approve the different needs.
- Assisted Control Architects in drafting upstream requirements using standardized templates to ensure compliance and clarity.
- Conducted proofreading, validation, and analysis of technical requirements to guarantee accuracy and completeness.
- Defined and developed functional requirements related to the Wakeup/Sleep behavior of ECUs/Networks.
- Contributed to the Functional Architecture by allocating Allocable Functions and Functional Flows.
- Allocated Allocable Functions to specific ECUs and Functional Flows to multiplexed networks (CAN, LIN) and wired interfaces.

• Capgemini Engineering

February - July 2023

Embedded Software Engineer - Internship

Casablanca, Morocco

- Designed and developed a mobile application to remotely monitor and control an autonomous vehicle.
- Built multiple interactive UI components to facilitate real-time communication between the vehicle and the driver.
- Developed user interfaces for the activation and deactivation of ADAS (Advanced Driver-Assistance Systems) features.
- Implemented a real-time camera perception view, enabling drivers to visualize environmental feedback directly from the vehicle.
- Created a vehicle localization interface, providing real-time position tracking within the app.

• Higher School of Technology

April - May 2020

End-of-year Internship

Meknes, Morocco

- Modeling and simulation of Hybrid Wind and Solar Electric Systems using power converters (Inverter, Rectifier and Chopper).

SKILLS

- **Programming Languages:** C, C++, Embedded C, JavaScript, TypeScript, Python, Dart
- **Web Technologies:** HTML, CSS, React.js, Next.js, Tailwind CSS, Flutter, HTTP
- **Database Systems:** MySQL, MongoDB
- **Cloud Technologies:** Firebase, Cloudinary
- **Version Control:** Git, GitHub
- **Other Tools & Technologies:** Socket.io, Websocket, MQTT, Figma, Unit Testing

ADDITIONAL INFORMATION

Languages: English (Intermediate level), French (Intermediate level), Arabic (First language)

Interests: Fishing, Travel, Swimming, Football