

Youssef Chehab

+96178909945 | youssefchehab4@gmail.com | linkedin.com/in/chehab-youssef | github.com/eagtf

EDUCATION

Rafic Hariri High School

Lebanese Baccalaureate in General Sciences

Lebanon, Saida

Sep. 2007 – June 2022

Lebanese American University

Bachelor in Computer Science

Lebanon, Beirut

Sep. 2022 – Present

EXPERIENCE

Frontend Engineer — ITXI

Beirut, Lebanon

June 2024 – Present

Full-time

- Lead the frontend development of ITXI's flagship AI Agent platform, building a scalable, responsive, and intelligent web interface using React, TypeScript, and Vite.
- Designed and implemented multi-tenant widget systems with dynamic configurations, theming, and analytics integration.
- Engineered real-time conversational interfaces supporting OpenAI Realtime API and Gemini socket connections, with advanced voice detection, canvas interactions, and Lottie animations.
- Collaborated with backend and design teams to optimize UI/UX performance, enhance accessibility, and deliver smooth cross-platform experiences.
- Integrated Firebase Authentication, Firestore, and Cloud Functions for secure, state-persistent user sessions and real-time data synchronization.
- Developed Playwright E2E and Jest unit tests to ensure code reliability, CI/CD compatibility, and high coverage across major components.
- Contributed to internal tooling and documentation (localStorage schema, analytics events, release notes) to improve project scalability and developer onboarding.

Web3 Startup Founder & Developer

Self-Employed

June 2020 – Present

- Founded and established a Web3 startup, taking the initiative to build and lead a dynamic development team.
- Developed a cutting-edge full-stack web application using the MERN (MongoDB, Express.js, React, Node.js) stack.
- Utilized MongoDB to efficiently store and manage transactional data, ensuring data integrity and optimal performance.
- Engaged with the Web3 community, actively seeking feedback to iterate on features and align the application with the evolving needs of the cryptocurrency space.

PROJECTS

Web3 Decentralized Application | Nodejs, Mongodb, React, Express

March 2022 – Present

- Designed and developed a robust full-stack Web3 decentralized application interacting seamlessly with the Solana network, enabling real-time retrieval and display of cryptocurrency transactions.
- Implemented a sophisticated access control system, providing gated access to a dashboard tailored for specific community users, ensuring secure and personalized user experiences.
- Continuously updated and maintained the application to adapt to evolving blockchain technologies and security standards, ensuring the longevity and relevance of the Web3 solution.

Football Academy Management System | Next.js, MongoDB, Node.js

September 2023 – February 2024

- Designed and developed a full-stack web application to streamline football academy operations.
- Built a highly interactive and visually appealing front-end using Next.js and ShadCN.
- Engineered a robust, security-focused backend with custom authentication and optimized database schemas.
- Deployed a fully functional live system at rharaty.com.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C#, C++, C, Lua, SQL, HTML/CSS

Frameworks: React, Node.js, Next.js, Vite, Unity Game Engine, Roblox Lua Engine, MongoDB, Firebase

Developer Tools: Git, AWS, Docker, VS Code, Visual Studio, Virtual Private Servers, CI/CD (Bitbucket Pipelines)

Libraries & UI: Express.js, Tailwind CSS, Chakra UI, ShadCN, Material UI, Lottie, Framer Motion

Testing & Automation: Jest, Playwright, Postman