

Mahmoud Harmouch

FULL STACK AI ENGINEER

Tripoly, Lebanon | +96171747569 | mahmoudhandase@gmail.com

Experience

Full Stack Web & Game Developer | Edenverse Online | Freelance | Remote. **Jan 2025 – Present**

- Collaborated with a small team of developers and designers and built Edenverse, an AI powered, platform independent, MMO RPG Web3 video game, after gathering expectations and project's parameters and recommended a unique and novel tech stack that met those needs while shipping around 3 million lines of code.
- Designed and built a landing page, edenverse.online, using ReactJS v19, developed from figma designs, pixel perfect, with I18n support, theming etc.
- Designed and built a blog website, blog.edenverse.online, using Gatsby JS, developed from figma designs, pixel perfect, with I18n support, theming etc.
- Designed and built a player's dashboard, account.edenverse.online, using Next JS, developed from figma designs, pixel perfect, with I18n support, theming etc.
- Designed and built the game itself, play.edenverse.online, using React v19, Phaser JS and Spacetime DB, developed from figma designs, pixel perfect, communicating with a Spacetime server written in Rust.
- Built and contributed to over 20 internal projects and services with many collaborators over the course of 1 year.
- Launched the game on the internet that gained some traction overtime with frequent launches and community updates.

Technologies: React V19, Gatsby JS, Next JS, TypeScript, Nginx, Spacetime DB, WebSocket, Framer Motion, I18n, Tailwind css, Redux Toolkit, Docker, Docker-Compose V2, CI/CD, Railway...

Full Stack Developer | SoftSales Consulting | Freelance | On site. **Jul 2025 – Oct 2025**

- Collaborated with a small team of developers and designers and built DataBridge, an any CRM (e.g. Sage X3, HubSpot, etc) to any data source (e.g. CreditSafe, Cognizant, etc) mapper solution, after gathering expectations and project's parameters and recommended the MERN tech stack that met those needs.
- Built front-end components using ReactJS v18, developed from figma designs, pixel perfect, communicating with a Node Express backend REST API.
- Built a docker infrastructure for this MERN dashboard app and deployed it on Contabo VPS.
- Launched the app and demonstrated it to 10 clients and later won a partnership with CreditSafe France and other organizations like Odooc etc.

Technologies: React, TypeScript, Nginx, MongoDB, JSON, REST, Framer Motion, Redux, Docker, Docker-Compose V2, Redis as Cache, JWT, HTTP, CI/CD, Contabo VPS...

Web3 Full Stack Developer | GigaDAO | Freelance | Remote **Feb 2021 – Aug 2024**

- Collaborated with a small team of developers and designers and built GigaDEX, Solana's first crankless DEX, after gathering expectations and project's parameters and recommended software packages that met those needs.
- Built and contributed to over 92 internal projects and services with many collaborators over the course of 3 years.
- Built front-end components using ReactJS v16 - v18, developed from figma designs, pixel perfect, communicating with a Rust Axum REST API for efficiency.
- Collaborated with project managers and designed high level projects' architectures using Escalidraw and Diagrams package.
- Developed regression and unit test cases to make sure components were tested rigorously in an automated fashion.
- Built many backends using a microservice architecture powered by Django and Redis.
- Introduced a continuous deployment process for ease and speed-up of development and deployment using Github and Docker through compose v2.

Technologies: React, FastAPI, Nginx, MySQL, JSON, REST, MUI (FKA Material-UI), Redux, Django, Docker, Docker-Compose, Redis as Cache and DB, Celery, BrainTree, OAuth, JWT, HTTP, CI/CD, Rust, EGUI RS, Tokio, Axum, Railway...

Full Stack Engineer | CentraleSupélec | Internship | Remote **Jun 2020 – Sep 2020**

- Built high performant face recognition applications using the Zenoh protocol.
- Wrote a 62-page document with detailed insights and findings about the network speed of Zenoh and the NDN protocol.

Education

Master of Engineering – MEng.

2015 – 2020

Lebanese University, Tripoli, Branch I.