Charbel Assaad

Full Stack Engineer

Beirut, Lebanon

+961 3 368 896

charbelassaad41@gmail.com

https://charbelassaad.me

About Me

I'm always striving to grow as a full-stack developer, constantly learning and refining my skills to stay ahead in a fast-moving tech world. I genuinely enjoy crafting clean, maintainable code and building efficient processes that not only perform well but scale with ease. Whether it's the frontend or backend, I love diving into complex challenges and turning them into well-structured, thoughtful solutions that make a real impact.

Experience

Fitt Design / Full Stack Engineer

November 2023 - April 2025, Beirut Lebanon

• Build a custom Shopify CMS for managing metaobjects with live preview support.
• Design scalable APIs and integrate third-party apps (e.g. Growave, FrontSystems).
• Optimize websites for SEO.
• CI/CD Setup.
• Implement web designs using Shopify, React (TypeScript), and Remix.
• Write unit and UI tests with Playwright and Jest.
• Integrate React components into Shopify templates.
• Develop theme-compatible Shopify apps with admin-side customization.
• Create and maintain an internal framework using React, React Router, Webpack, and Express.

The Go Project / Freelancer

August 2023 - November 2023, Dubai

• Implement reusable React components based on web designs.
• Built and deployed scalable APIs and backend services..
• SEO optimization.
• CI/CD Setup.

Oriqon/ Full Stack Engineer

June 2023 - August 2023, WaterFront , Dbaye, Lebanon

• Meta integrations (WhatsApp/Facebook messengers).
• Implement Zoom API for in-browser video call functionality.
• Implement reusable React components based on web designs.

Salem Group/ Junior Developer

April 2021 - June 2023, Beirut , Lebanon

• Implement UI designs using React and TypeScript.
• Collaborate with project managers on planning and task scoping.
• SEO optimization.
• CI/CD Setup.

Skills

• JavaScript, TypeScript, NodeJS, ReactJS, NextJS, NestJS, ExpressJS, ThreeJS, Remix, Redux, Zustand
• Shopify (Themes,Apps,Functions)
• GraphQL, RestAPI
• PostgreSQL, MySQL, MongoDB
• Prisma, TypeOrm
• Webpack
• CI/CD using Github Actions, Git, Github, BitBucket
• Docker
• PlayWright, Jest, Jenkins
• HTML CSS/SCSS/SASS

Education

ISAE CNAM LIBAN/ Software Engineering

November 2020 - Present, Beirut Lebanon

Ashrafieh First Public School/ Baccalaureate In General Science

September 2018 - July 2019, Beirut Lebanon

Languages

English (Fluent)
French (Proficient)
Arabic (Native)

Certificates

Fast Track To Senior / OnRamp , SpeedLane , Forward Mena
January 2025
An advanced course designed to fast-track software engineers toward senior roles in leading local and global digital agencies.

Linkedin Certificates
(Building Resilience , Business ethics , Communication Foundations , Develop Your Emotional Intelligence)
January 2025

Projects

Shopify Metaobject Editor

• Developed a dynamic editor supporting all Shopify metaobject field types.
• Built the core logic using a schema-driven architecture to define and manage metaobject field types, inspired by modular CMS platforms.
• Implemented a reusable web development framework for rapid route/page creation with customizable backend logic.
• Designed a dynamic form renderer based on metaobject definitions.
• Optimized API handling for efficient communication with Shopify's Admin API.
• Integrated real-time preview between UI and CMS before publishing to the live theme.
• Backend architecture allows scalable configuration without repetitive code.

Custom Internal Web Framework

• Built a modular frontend framework using React, React Router, and Webpack.
• Integrated Express for backend API routing and middleware configuration.
• Designed for scalability, enabling rapid setup of new routes and views.
• Provided a reusable structure to streamline development across internal tools.

- Optimized bundling and build processes for improved performance and deployment.
- Separated concerns between frontend logic and backend services to maintain clean architecture