Serge Harb – Software Engineer

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2020 - PRESENT
Full Stack Engineer / TF961

Member of Agile Scrum team building full stack projects from React.js frontend development, Node.js backend development, admin CMS and dashboard development with several Databases. Quality assurance with Unit testing and End-to-End testing. Projects Deployment and Automation for development, staging and production.

2017 - 2020
System Architect / Fibler Inc.

AWS architecture management with Node.js micro-services development, VPS clusters & databases, Realtime Chat Messaging, VOIP Calls, Live Video Streaming, Firebase, Payment Providers, Realtime Web Sockets, CloudFront Caching, etc.

2016 - 2017
Full Stack Web Developer / SIEGMA

Websites backed by Content Management Systems in PHP/MySQL. Frontend with React or Angular, Webpack and Sass. Developed InHype Social, Azure Telecom, Bejjani Group, and SIEGMA's website redesign.

2016 - 2019
React and Node.js Backend Developer / Fitterbite

Remote work with a team of mobile developers to launch Fitterbite - healthy meals delivery mobile app.

React, React Native & Node.js Backend / Remote House

React Native app shows real-time statistics and grants control over the house through commands sent to the server. Raspberry PI server communicating with several devices (Arduino and micro-components) on the network.

React Native & Node.js / AnyShop, Grocery Delivery across Lebanon

Project is currently under development with the latest cutting-edge technologies: TypeScript on the mobile apps (React Native) and TypeScript on the backend (Nest.js) with MongoDB as a database engine.

Node.js & Angular Developer / Stackbeam, Realtime Monitoring & Debugging

Minimalistic modern companion that allows monitoring of server health, incoming requests, crashes, queries, logs and alarms through real-time charts and dashboard analytics (Node.js backend + Angular frontend Dashboard).

Ionic Hybrid Mobile App Developer / Work Manager

Construction Foreman Companion manages workers' salaries and payments, projects' spending, statements, future payments. Tracks owner's payment checks and daily workers report and project level analysis.

TypeScript Backend Boilerplate – Nest.js Starter Project

Flexible Scalable and Customizable Nest.js Backend API Boilerplate – featuring Routing, Authentication, Localization, Environment Management, Login, Register, Mongoose ODM, Upload Module, etc.

Brawl Bros – Unity & Node.js Realtime Multiplayer Game

Real-time fighting game built with Unity and an intelligent Node.js server implementing sockets for data transfer, client-side prediction, server reconciliation, interpolation and lag compensation. This project was developed for research and learning purposes. Many resources from Gabriel Gambetta and Valve's articles about game dev.

Education

LEBANESE AMERICAN UNIVERSITY - 2018
Bachelor of Science, Computer Science

Key Courses: Algorithms & Data Structure, Software Engineering, Web & Database Management.

ONLINE COURSES – UDEMY.COM
Machine Learning and Data Science

Artificial Neural Networks, Supervised/Unsupervised Learning, Deep Reinforcement Learning.