Serge Harb – Software Engineer

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2020 - PRESENT
Senior Software Engineer / TF961 - remote

Software Engineer in an **Agile Scrum team** building full stack projects from **React/Next.js** web apps, **Node.js REST and GraphQL** APIs. Dashboards development with **Strapi** using several Databases (**PostgreSQL, MySQL, MongoDB**). Quality assurance with **Unit testing** and **End-to-End testing**. Deployments using **OpenShift Container Platform** and **Kubernetes** with **CI/CD Pipelines**.

2017 - 2020
Full Stack Web Developer / Fibler Inc.

Built and maintained **AWS** architecture with multiple **Microservices** and **Database Clusters**, **Web Sockets**, **Video Streaming** integrations, payment providers (Paypal, Stripe, etc..). Worked on **Node.js** infrastructure and APIs. **Deployment** automation and pipelines using **AWS** for multiple environments, CloudFront caching, Load Balancing, Queuing and Network Security protection.

2016 - 2017
Full Stack Web Developer / SIEGMA

Frontend web apps using **React.js** or **Angular**, **Webpack** and **Sass**. Content management systems using **Node.js** or **PHP** with **MySQL** or **MongoDB**. Developed many projects including InHype Social, Azure Telecom, Bejjani Group, and SIEGMA's website.

Freelance Software Projects / Remote - part-time

1CoachPro: Sports Coach mobile app in Australia. **Tech Skills: React Native**, **Agile** development, **AWS** and **Python Flask** APIs.

MasApp: Lighting design dashboards. **Tech Skills: React.js** dashboards, **CSS**, **live data** and **statistics**, **charts** and **data reporting**.

Brainpush: E-Learning platform and mobile app. **Tech Skills: React Native, Node.js** APIs and Cronjobs, **MongoDB**, **Strapi** CMS.

Remote House: Home automation mobile app. **Tech Skills: React Native** mobile dev, **Node.js** APIs, **C++** on development boards.

LaPost Services: iPad web applications. **Tech Skills: Vue.js**, **CSS**, responsive designs, **animations** and touch-friendly web apps.

Work Manager: Management of projects and employees. **Tech Skills: Angular**, **Ionic** app, **Node.js** APIs, **statistics** and **reports.**

OLN TV: Video Clips frontend web application. **Tech Skills: Angular**, **SSR**, **CSS** responsive designs, **animations** and sliders.

Fitterbite: Healthy meals delivery application. **Tech Skills**: **React.js** admin/clients' dashboards and **Node.js** REST APIs.

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

Project is currently under development with the latest cutting-edge technologies: Mobile apps using **React Native TypeScript** and **Nest.js** on the backend with **PostgreSQL** as a database engine. Content Management using **Strapi** CMS.

Node.js and Angular / 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 and an **Angular** frontend dashboard).

Node.js and Unity / Brawl Bros, Realtime Multiplayer Game

Real-time fighting game built with **Unity** and **Node.js** server implementing **Web Sockets** communication, **client-side prediction**, **server reconciliation**, **interpolation and lag compensation**. This project was developed for research and learning purposes.

Education

LEBANESE AMERICAN UNIVERSITY - 2018
Bachelor of Science, Computer Science

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

Machine Learning and Data Science / Remote - part-time

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

Languages: English, Arabic and French.   **Hobbies:** Video Games and Home Automation (IOT).