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# 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.

**React.js** for internal management systems development, developed **AWS** architecture with multiple **Microservices/Databases**, **Web Sockets**, **Video Streaming**, payment providers (Paypal, Stripe). Worked on **Node.js** APIs and services infrastructure. **Automations** and pipelines using **AWS** for multiple environments, 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.

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## 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).