Karl Nassar

+961 70 888 513 • Beirut, Lebanon • kgnassar01@gmail.com • https://github.com/KarlGNassar

EXPERIENCE

Full Stack Developer   June 2021 - November 2021
Vittascience | Paris, France

Vittascience designs solutions for primary and secondary school teachers to help students become familiar with STEM.
- Got more familiar working with Git, CI/CD (with Jenkins) and test servers
- Handled French/English translations using i18n
- Teamed up with developers and designers to ship high quality products.
- Built a wiring simulator for Arduino using vanilla JavaScript (w/ canvas), HTML and CSS
- Improved IoT skills by incorporating more than 50 modules to the wiring simulator on different micro controllers (Arduino, Micro:bit, ESP32 and STM32)
- Developed a robot simulator for both Micro:bit (micro:Maqueen) and STM32 (Alphabot) utilizing canvas, jQuery, HTML and CSS, added a line following sensor for the simulator as well as a distance sensor
- Create an auto correction system that checks if the output of the student is the same as the output of the teacher's exercise
- Made the backend of the auto corrector with Doctrine ORM (PHP) to create the tables and wrote the controllers with PHP.

Key Accomplishments:
- Worked alongside clients that represent one of the biggest tech companies with over 40,000 employees and 10B+ in revenue. Texas Instruments and STMicroelectronics to name a few..
- Provided tools and interfaces for more than 15,000 students and 5,000 teachers to help kids and teenagers to learn more about coding and STEM.
- Achieved 1 million page views by November 2021

Backend Developer   April 2021 - May 2021
Above the Fold|Beirut, Lebanon
- Learned new libraries such as Parse and Web Sockets
- Contributed in a project by implementing real-time private chatting (w/ Next)
- Continuous communication with the client to stay on the same page and produce high quality web applications
- Coded the backend of an iPad app using Node, Socket.io and PostgreSQL
- Deployed files using FileZilla (SFTP) and communicated with the main server using SSH

PROJECTS

Amazon Clone
- https://amazone-clone-nextjs-karlgnassar.vercel.app/
- Built with Next, Redux and Stripe
- CSS: Tailwind
- API: fakestoreapi.com

Formula 1: Data Visualization
- https://formula-1.vercel.app/
- Data Visualization using React and SVGs

Covid-19 Tracker
- https://covid-19-tracker-1861b.web.app/
- Frontend: React, CSS
- API: disease.sh

Personal Portfolio
- http://karlnassar.live
- You can find all my other projects here or on my GitHub

EDUCATION

Lebanese University Faculty of Engineering |Computer Engineering   Sept. 2019 - June 2021
- GPA: 3.0/4.0
- Clubs: Mechatronics, IEEE (registered as an international member)

SKILLS

HTML, CSS, JavaScript, React, Typescript, Linux, Next, Node, SQL/NoSQL, ORM, Django, Python, FTP/SSH, Docker, PHP, DS & Algorithms, Stripe, C, C++ | Visual Studio Code, Microsoft SQL Server, Docker Desktop, Postman, phpMyAdmin