

Hector Avalos

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Full Stack Software Engineer @ EPAM Systems Mexico S de RL de CV. (Jul. 2023 – Currently)

Working on a project for one of the top pharmaceutical companies in the world. In this project, we've been using technologies like TypeScript, ReactJS, Storybook, MaterialUI, Apollo GraphQL, Docker/Docker-Compose, AWS (Lambdas, Cognito, S3 or DynamoDB for example). Also, we've been using tools like Figma, Jira and Confluence. The rendering of the project has to be dynamic, which requires "generic" components to be written that depend on the JSON schema (<https://json-schema.org>) and JSON UI config provided to the app by the GraphQL backend.

Full Stack Software Engineer @ Gold Media Tech LLC. (Jul. 2020 – Mar. 2023)

Working for a Medicare Advisors company. I've written code for both Front and Back End using technologies such as VueJS (NuxtJS/Typescript) and NestJS (Typescript). I have used technologies like Swagger (OpenAPI), Redis, Aptible, Netlify, PostgreSQL, Sentry.io, Airtable, Salesforce (Process Builder, SOQL queries, integration with NodeJS). Initially we started working on a tool for the consumers (elderly people in USA) and this tool had different modules: The module for drugs, for providers (Doctors), for Hospitals, etc. And based on the preferences entered by the consumer, the API fetched a list of Medicare plans from an external API and sort them, showing in the first places the plans that covered the most preferences. There were times where I had to work with other teams inside the company like the marketing team for example, helping them install tracking scripts in our webpage (using Google Tag Manager). Additionally, I wrote some tasks that got executed daily in the backend to send physical mail (on a customer birthday for example). I also worked a little bit with Salesforce. We created an integration with their API to Create, Read, Update or Delete customers from Salesforce (Opportunities, accounts, addresses, etc.) so I learned a lot about the Salesforce API (Authentication, getting data from objects, etc.), SOQL queries, Salesforce Apex code and the Salesforce Process Builder.

Software Developer @ Vectralis Engineering. (Aug. 2017 – Jul. 2020)

R&D Software Developer. I wrote new code for their internal management system, which was initially written in Java, then we had to migrate it to PHP because the company started to grow a lot. After that we decided it was time to upgrade the system so we "translated" again the code to ReactJs for the Front End and Django / Django-REST-Framework for the Back End) as well as deploying new changes to the local server (Using tools like docker/docker-compose, nginx and Unicorn). I also worked on a very interesting computer vision project: One of the automation machines had an issue, if one of the components placed by a robotic arm was in the wrong position, the feeder of these components was very likely to get stuck. To solve this, the team decided to let me play a little bit with computer vision projects (Python + OpenCV), basically this script detected if the component was inverted (by applying some masks to the image and comparing them with preset values, like, when the component was placed correctly), and if so, it sent a signal to the PLC via a TCP/IP connection.

Education:

Tecnologo en Informatica y Computacion. Centro de Enseñanza Técnica Industrial (July 2017)

Languages:

Spanish: Native.

English: C1 both spoken and written.

Apps/Tools:

VueJS, NuxtJS, NestJS, TypeScript, ReactJS, NextJS, Git, Github, Docker, docker-compose, Salesforce, Salesforce Apex, Redis, PostgreSQL, Salesforce, Sentry.IO, Netlify, Aptible, VI/VIM, XAMPP, VSCode, Android Studio, GCC/G++, GraphQL (Apollo and Graphene), Django, PyQt, OpenCV, OpenAPI, Nginx, Unicorn.

Soft skills:

Communication, Teamwork, Leadership, Adaptability, Problem solving, Time management, Conflict resolution, Active listening, Critical thinking, Decision making, Collaboration, Self motivation.

Programming languages and frameworks/libraries:

- Python, JavaScript, NodeJS, TypeScript, MariaDB, PostgreSQL (6 years).
 - VueJS, NestJS, NuxtJS, Django, Django REST Framework (4 years).
 - ReactJS, Express, MongoDB (3 years).
 - PHP, C/C++, Java, C#, Flask (2 years).
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Courses and certifications:

- **May-2019 – Dec-2019:** **Bootcamp Full Stack Python** course @ [BEDU.org](https://bedu.org) GDL (150h).
 - **Feb-2020 – Aug-2020:** **Bootcamp Full Stack JavaScript** course @ [BEDU.org](https://bedu.org) GDL (150h).
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Links:

- <https://github.com/havalos97>
- <https://www.codewars.com/users/havalos97>
- <https://cv-ha.vercel.app/>