Awesome Engineer B

Bachelor of Science in Computer Science, Benemérita Universidad Autónoma de Puebla.
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I consider myself a dedicated person that enjoys learning constantly. I like to solve complex business problems and front facing new challenges. I always give my best effort to delight my customer/client and exceed her/his expectations. I own a company focused on online training courses about web technologies, and topics related to Computer Science for Spanish speakers.

I have led and participated in high impact projects as a Front-end and Back-end Engineer. Lately, I have been driving the development of a Web Components library to speed up the development time of rich front-end projects.

SKILLS

- **Web Development:** JavaScript, TypeScript, React.js, Vue.js, Angular V5+, Stencil.js, AWS, Node.js, Express, jQuery, Laravel, Liferay, HCL Web Content Manager, SCSS, Gulp, Webpack, Handlebars, FreeMarker, Git, HTML, CSS.
- **Programing Languages**: PHP, Python, Java.
- **APIs:** Google Maps, Stripe, Facebook, Acuity, Instagram.
- **Languages. Spanish**: Native Speaker. **English**: Business proficient.

WORK EXPERIENCE

2015 – Current - Foo - Front-end Technical Lead
Leading and developing front-end projects with modern stacks for international clients and USA State of Ohio Government.

- **State of Ohio**
  - **Ohio Data Platform**. Led the development of this project that is the groundbreaking on the State of Ohio for the semantic platforms.
    - This platform stores metadata related to datasets on AWS Neptune following the Sematic Web standards, its main purpose is to provide access to that information to any person who is interested in.
    - The preliminary database includes 40 datasets from the Ohio Department of Health with 14 programs and an initial load of 60K records.
  - **Ohio.gov Website Search Experience.** Developed the main UI/UX for the search module that is live on the homepage of the https://ohio.gov website. This module enables citizens to do a unified search of services, agencies and other important resources that the Ohio Government has available online.
    - The main challenge of this module was to implement a user-friendly, accessible and responsive solution while covering all business requirements I was given.
    - This search module is built with HTML, CSS, and JavaScript on the frontend, consuming a search API using strict REST principles.

- **CNH Industrial Innovation Platform**. As result of the system update on CNHi's platform, I participated as a Frontend Engineer and Tech Lead.
  - Defined front-end architecture to support 12 languages (including English), more than 200 UI components to filter and display an initial load of 10K pieces of content and documents for English language (with a forecasted increase of up to 120K by the end of 2020).
  - Built a Web Components library on top of Stencil.js and Vue.js to provide consistency and faster integration of eight CNHi brands (components are designed to support as many brands as required).
  - Created an SDK to consume information from an indexed data source built on top of Apache Solr (search engine). This SDK allows to query data in a unified format and with a single-entry point.
- **Honda Research Institute (HRI USA/Japan)**
  - Participated on the development and upgrade of this two-year project which was focused on providing a web interface where scientists could visualize their sensor data into visual models that provide insights about assisted driving studies.
  - This project was built on top of Angular for data visualization of data streams either captured by car sensors such as GPS, temperature, speed, Lidar or generated by users via annotations. All this data was stored on a graph-based database to speed up the interrelation among data models. This project was built with 200+ Angular components and 40+ services, integrating Google Maps' API, and D3.js to render custom charts on demand.

In addition:
- I am currently leading and continuously improving a Web Components library on top of Stencil.js that is being used as an accelerator to create different customer portals.
- I am in charge of an internal initiative to provide feedback among coworkers using our own system, which I designed and built on top of Vue.js and AWS services.
- Equally important, I am a Team Lead/mentor. My main goal is to help my teammates grow on their careers and provide guidance on professional aspects.

RESEARCH & PUBLICATIONS

- An awesome publication removed intentionally for privacy reasons- Research and Applications in Computer Science, **CONTE 2, Puebla, México.**
- Ubi: Some very cool system and research done by this person – 11th **CBS 2014, São Pablo, Brazil.**
- Another cool publication **– CACIC2014, Buenos Aires, Argentina.**

SIDE-HUSTLE PROJECTS

- Platform to provide training about web technologies https://webtraining.zone/
  - Built the real-time chat (frontend and backend) where attendees of live events can discuss topics regarding courses and workshops, this real-time chat supports enriched conversations with Markdown and multiple rooms.