

## Experience

**Globant** Monterrey, Nuevo León, México  
**Web UI developer** Mar. 2021 - Present

**Client: LA Clippers** Remote - U.S.A.  
**Web UI developer Technical Lead** Nov. 2023 - Present

- **Team leadership and Development:** provide mentorship, guidance, and knowledge transfer to team members, while actively managing staffing needs to foster a high-performing and collaborative development environment.
- **Design System Development:** develop a scalable and reusable design system with React, Typescript, Vite, and rwc to enhance development efficiency and maintain consistency across different platforms.
- **Authentication and API Management:** implement and maintain a secure authentication system using NextAuth and AXIOS, ensuring seamless user interaction and data protection.
- **Process Improvement and Efficiency:** implement a streamlined branching strategy and optimize AEM CF to significantly reduce deployment times, improve development efficiency, and enhance the overall user experience.
- **Implementing AEM as headless CMS:** implement and maintain a headless approach between NextJS application and AEM, consuming CF ( content fragments ) by AEM GraphQL implementation, consuming XF ( Experience Fragment ) by it's model json exporters, all of this using axios instance and interceptor to make it easy the requests implementation on NextJS.
- **Communication and Collaboration:** Foster effective communication and collaboration with cross-functional teams to improve project performance, strengthen relationships, and ensure alignment with organizational goals.

**Client: Deloitte** Remote - U.S.A.  
**Web UI developer SR** Jul. 2022 - Nov. 2023

- **Angular and Web Components Development:** Developed Angular components with TypeScript for improved UX/UI and created native Web Components for new functionalities, integrating ElasticSearch API for enhanced performance.
- **Legacy Code Maintenance:** Maintained legacy JQuery code to ensure compatibility with new Angular components and updated existing templates to optimize and modernize legacy components, resulting in a 25% performance improvement.

**Client: Telecom** Remote - A.R.  
**Web UI developer SR** Nov. 2021 - Jul. 2022

- **Vanilla JS Web Components:** Developed Vanilla JS Web Components using modern JavaScript standards to enhance user interactions, ensuring compatibility and performance across different browsers and platforms.
- **React Components for NextJS:** Created React components with modern React Hooks for NextJS applications, supporting both SSR (Server Side Rendering) and SSG (Static Site Generation) to improve performance and SEO.
- **Micro Frontend Implementation:** Implemented a Micro Frontend architecture with NextJS, splitting the monolithic application into two independently deployable and maintainable applications, allowing for more flexible and faster development cycles.

**Client: Telecom**

Remote - A.R.

**Web UI developer SSR**

*Mar. 2021 - Nov. 2022*

- **React and StencilJS Components Development:** Developed React components using React Hooks for improved UX and created new components with StencilJS for a modern design system in both AEM and NextJS projects.
- **StoryBook Integration:** Implemented StoryBook for real-time testing and demonstration of StencilJS components in a standalone environment.
- **Unit Testing and Code Quality:** Implemented unit testing with JUnit for AEM Java model exporters, utilizing Selenium for code coverage and reducing code smell in the AEM module.
- **SCRUM Methodology:** Applied SCRUM methodology, including daily stand-ups, retrospectives, reviews, and planning sessions to ensure efficient project management and delivery.

**Alphacredit**

Monterrey, Nuevo León, México.

**Full Stack Developer**

*Sep. 2019 - Mar. 2021*

- **React Application Architecture:** Created the React application architecture from scratch using Webpack, Babel, and Webpack plugins to convert modern JavaScript code to ES5 for compatibility with older browsers. Implemented webpack.config.js with environment variables to differentiate between development and production modes, ensuring optimized builds for each environment.
- **React Development:** Developed React functional components with TypeScript and React Hooks, and built a Single Page Application (SPA) to maintain application context, enhancing user experience and performance.
- **Offline Capabilities and Theming:** Added offline capabilities by implementing the Service Worker API for Progressive Web App (PWA) functionality, ensuring the application runs smoothly in offline mode. Developed theme styles using MaterialUI, supporting both dark and light themes for a consistent and customizable user interface.
- **State Management and Testing:** Implemented Redux for state management in the React application. Ensured code quality and coverage by performing unit and integration testing with Jest and Enzyme.

- **Serverless Architecture and Deployment:** Implemented a serverless architecture using AWS services and Python Lambdas to reduce server costs. Managed deployments through AWS CodeCommit, following a lifecycle with development, QA, and production branches. Applied SCRUM methodology, including daily stand-ups, retrospectives, reviews, and planning sessions to ensure efficient project management and delivery.
- **Spring boot API:** Developed RESTful APIs using Spring Boot, focusing on creating scalable and efficient services with features like authentication, error handling, and pagination. By integrating tools like Swagger for documentation and Spring Security for access control, I built secure, maintainable APIs that met production needs quickly and effectively.
- **Microservices Development with Spring Boot:** I transitioned monolithic systems to microservices with Spring Boot, I implemented event-driven communication via RabbitMQ and ensured resilience and scalability through health checks and monitoring, improving system reliability and performance.

#### ADES Technologies

Monterrey, Nuevo León, México.

##### Full Stack Developer

*Jun. 2019 - Sep. 2019*

- **ReactJS Application Development:** Developed a simple ReactJS application with TypeScript and React Hooks to replicate the functionality of the client's mobile application on the web, ensuring a consistent user experience across platforms.
- **React Native Update:** Updated the old React Native application to use modern React Hooks, eliminating class-based components and upgrading to React 16.8 for improved performance and maintainability.
- **Android Native Application:** Developed an Android native application using Java and Kotlin to integrate client AI functionalities into smartwatches. Implemented speech-to-text capabilities with IBM Watson AI (replacing Google API due to licensing issues) and integrated with Gigaaa AI for action execution.
- **IoT Smart Mirror Development:** Developed Python modules for an IoT Smart Mirror, creating an MVP for the client to enter the IoT business division, showcasing innovative use cases and potential market applications.
- **SCRUM Methodology:** Applied SCRUM methodology, including daily stand-ups, retrospectives, reviews, and planning sessions to ensure efficient project management and delivery, fostering team collaboration and continuous improvement.

#### Grupo Parra Rangel

Chilpancingo, Guerrero, México

##### Full Stack developer

*Jun. 2018 - Jun. 2019*

- **Database Design and Development:** Designed the database ER diagrams and architecture, and developed the database schemas using MySQL to ensure a robust and scalable data structure.
- **Backend Development:** Developed the backend application using PHP with the Laravel framework to handle database communication, ensuring efficient data management and API creation.

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- **Frontend Development and Migration:** Initially developed the frontend using jQuery within a full Laravel application. Later, developed ReactJS components to modernize the frontend, migrating all jQuery components to ReactJS using class components and integrating the GrapeCity SpreadJS library for advanced functionalities.
- **DevOps and Version Control:** Implemented a GIT repository for version control and managed the DevOps process using an external service to host the Laravel application. Utilized FileZilla to deploy the main branch codebase to the hosting service (Webrahost).
- **SCRUM Methodology:** Applied SCRUM methodology, including daily stand-ups, retrospectives, reviews, and planning sessions to ensure efficient project management and delivery, fostering team collaboration and continuous improvement.

### **Education**

**Universidad Internacional de la Rioja ( U.N.I.R. )**

*2019 - 2021*

Master in Software Engineering and Computer Systems

**Instituto Tecnologico de Chilpancingo.**

*2013 - 2017*

Software Engineer Degree