

Frank Romaña Hernández

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WORK EXPERIENCE

24i

Madrid, Spain

Front-End Developer

November 2019 - December 2023

- Developed OTT video streaming applications and contributed to TV Application Layer Framework for big screens using vanilla JavaScript, SASS, JSX, ensuring compatibility with Samsung Tizen, LG WebOS, Android TV, and hospitality versions, enabling a 10x user growth and surpassing 125K users on a single app.
- Integrated multiple web players (Shaka Player, DashJS) and DRM solutions (Widevine, PlayReady), reducing initial load times by up to 50% and expanding compatibility with more devices.
- Debugged and optimized performance bottlenecks on WebOS using Beanviser and Lighthouse, improving scroll smoothness and eliminating layout shifts by targeting costly rendering paths.
- Collaborated with product owners, designers, and QAs to transform and improve interfaces with reusable components, ensuring a consistent user experience.

Nokia TECSS

Madrid, Spain

Front-End Developer

May 2015 - November 2019

- Contributed to the development of an IPTV video streaming application and TV core Framework using vanilla JavaScript, reaching over 2 million users across Arris Set-Top-Boxes and Samsung Smart TVs, implementing new features, optimizing performance, and improving the UI for a better user experience.
- Integrated the streaming web application on LG WebOS Smart TVs as a proof of concept, achieving high technical compliance and ensuring readiness for potential future development.
- Contributed to the development of a video call application using JavaScript, WebSockets, and cross-document messaging, enabling direct call functionality to and from Set-Top-Boxes
- Implemented over 85% unit test coverage using Jasmine and feeding results into SonarQube, improving code reliability and reducing errors.

LEADERSHIP EXPERIENCE

24i

Madrid, Spain

Team Leader

February 2022 - February 2023

- Led a cross-functional Agile frontend team of developers and QAs, facilitating daily standups, sprint planning, retrospectives, and performance reviews to ensure smooth project execution.
- Created and maintained technical documentation and usage guides for the technologies used in development, streamlining the onboarding of new developers and QAs, improving their efficiency by 80%.
- Optimized sprint planning using detailed reporting in Confluence, reducing planning time by 40% and ensuring a balanced workload distribution

SKILLS

JavaScript (ES5/ES6+) | HTML | CSS | SCSS/SASS | TypeScript | React | Node.js | Express | Astro | Tailwind CSS | WebSockets | Webpack | NPM | Vite | Gulp | Grunt | jQuery | SQL | MongoDB | Jasmine | SonarQube | Version Control (Git/GitHub/SVN) | JSDoc | Jenkins | Travis CI | REST APIs | Arris STB | WebOS | Tizen | Chromecast | AndroidTV | FireTV | Shaka Player | Dash.js | OTT | IPTV | DRM (Widevine, PlayReady) | Smooth Streaming | DASH | HLS | UI/UX (Figma, Abstract) | SCRUM | **Languages:** Spanish(native)| English(C1)

EDUCATION

Universidad Europea de Madrid (UEM)

Madrid, Spain

Computer Engineering

Universidad Tecnológica Centroamericana (UNITEC)

Tegucigalpa, Honduras

Computer Engineering