

Miami, Florida
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Maria Rosales

Frontend Architect with 12 years experience and proven track record building scalable applications. I am passionate about crafting intuitive, user-centric interfaces loved by the users they serve.

EXPERIENCE

Acium Inc. | Miami, FL

10/2023 - PRESENT

Frontend Architect - Lead

- Architected the frontend for a new Enterprise Browser Management platform based on Angular, Nx, Typescript, PrimeNG and Tailwind CSS.
- Implemented a micro frontend principle based on NX and Git submodules enabling more efficient development and faster delivery of incremental improvements.
- Worked closely with Product Management and Designer to establish and implement UI/UX standards across the Management Console and Browser extension to ensure a consistent admin and user experience.
- Led the frontend development team to successfully deliver the MVP and continued feature development on-time as scheduled.
- Established unit testing standards for the frontend team based on Jest.
- Migrated from Angular 16.1.0 and Nx 16.4.0 to Angular 18.2.0 and Nx 19.6.0 to ensure long-term support, leverage new capabilities, and align with latest best practices.
- Migrated from Angular Material to PrimeNG reducing development overhead and support cost.
- Drove a cross team initiative to standardize documenting each area using Docs-as-Code improving new hire on-boarding and aligning with product docs.
- Mentored and guided junior developers accelerating their growth.
- Conducted and enforced code reviews providing constructive feedback to ensure higher code quality adherence to established best practices.

Technologies: Angular, Nx, Typescript, PrimeNG, Tailwind CSS, HTML.

itopia Inc. | Miami, FL

10/2018 - 09/2023

Frontend Architect - Lead

- Architected the frontend for an EdTech cloud-native app delivered as SaaS using Angular, Angular Material, Typescript, Flex Layout.
- Developed a Progressive Web App (PWA) for an EdTech that provided a more native app end user experience including offline capabilities, improved performance with Angular, Angular PWA, Angular Material, Typescript, Flex Layout.
- Implemented a browser based HTML5 client capable of decoding h.264 streaming of desktop applications from cloud hosted desktops using Angular and webRTC.
- Designed the frontend for a DaaS orchestration platform that provided a fully automated per tenant environment allowing companies to rapidly create their own cloud based desktop environments on-demand in Google Cloud Platform (GCP) management using Angular, Google APIs Client, Typescript, Flex Layout.
- Led the frontend development team to successfully deliver the products and continued feature development on-time as scheduled.
- Established unit testing standards for the frontend team based on Jasmine/Karma.
- Mentored and guided junior developers accelerating their growth.
- Conducted and enforced code reviews providing constructive feedback to ensure higher code quality adherence to established best practices.

Technologies: Angular, Angular PWA, Google APIs Client, Angular Material, Typescript, Flex Layout, HTML, webRTC.

Reserva Inc | Havana

02/2018 - 09/2018

Senior Fullstack Developer

- Developed features for both mobile and desktop platforms based on the Odoo Framework.
- Developed an Odoo Module of a chat using Python, Javascript, HTML, and CSS.
- Maintained and updated existing Node.js applications, ensuring compatibility with the latest versions and security patches.

Technologies: Python, Odoo, Node.js, Javascript, HTML, CSS.

UCI | Havana

10/2012 - 01/2018

Fullstack Developer

- Redesigned and developed SIPAC. A project planning and workflow approval web application replacing manual Excel spreadsheets.
- Adopted by several provinces and of the Central State Administration.
- Won the 2016 CITMA Provincial Award.

Technologies: PHP, PostgreSQL, JavaScript, CSS, HTML

SKILLS

Programming Languages: JavaScript, TypeScript, Python, PHP.

Technologies:

- **Core Framework & Architecture:** Angular, Angular PWA, Nx (Monorepo & Micro Frontends), React.js, Next.js.
- **UI & Styling:** Angular Material, PrimeNG, Flex Layout, MUI React, Tailwind CSS, Sass, HTML, CSS.
- **Testing:** Jasmine, Karma, Jest.
- **Internationalization (i18n):** Transloco, ngx-translate, @angular/localize.
- **Backend & Fullstack:** Node.js, Python, PHP, Odoo, WXT Framework.
- **Database:** Firestore, PostgreSQL.
- **Communication Protocols & Real-Time:** REST, gRPC, webRTC.
- **Authentication & Identity:** Google OAuth, MSAL (Microsoft Authentication Library), Firebase Authentication, Casdoor.
- **Tooling & DevOps:** Docs-as-Code, Git Submodules (Micro Frontends), Azure DevOps, GitHub Pages.
- **APIs & Integrations:** Google APIs Client, Google Workspace, Microsoft 365 / Microsoft Graph, HubSpot.
- **Data Visualization & Mapping:** Chart.js, ECharts, ng2-charts, D3.js, Google Maps.

Interests: Frontend design patterns, Software Engineering and Architecture, Cloud-Native Applications.

Languages: English, Spanish (Native).

EDUCATION

UCI, Havana, Cuba — *Bachelor in Computer Science* 09/2007 - 07/2012