

# Jake Ruiz Zeledon

## Frontend Software Engineer

Specialized in building scalable, accessible, and high-performance digital experiences. Experienced in React, TypeScript, AWS, and Alexa Skills development, focused on creating intuitive and impactful user interfaces. Passionate about innovation and continuous product improvement.

## Professional Experience

### Lead Frontend Developer · Sicsa Aug 2024 – Nov 2024

- Led the complete restructuring of the frontend, addressing UI inconsistencies and bad practices to create a more cohesive and maintainable architecture.
- Enhanced the visual identity and usability of the platform, improving user engagement and experience.
- Integrated **AJAX** to enable dynamic behavior, eliminating unnecessary page reloads, significantly improving processing speed and user efficiency.
- Implemented scalable architectures in **PHP and Laravel**, ensuring efficient backend-frontend integration.

### Frontend Developer · Logacode Jul 2024 – Oct 2024

- Developed and optimized accessible, responsive UI components, enhancing user experience for **90%** of the project.
- Focused on improving performance and usability of the interface.

### Engineering Team Lead · Nicasource Apr 2022 – Sep 2023

#### Software Developer Jul 2021 – Mar 2022

- Designed, developed, and optimized web applications, Alexa Skills, and chatbots for clients such as **iHeartMedia, Skilled Creative, and Big Spaceship**.
- Led the conversational development team, ensuring the implementation of innovative experiences with **Alexa Skill Kit (ASK)**.
- Built scalable REST APIs from scratch using **AWS Lambda, DynamoDB, and API Gateway**, improving response times by **40%**.

### Programmer · Nicaraguan Social Security Institute Feb 2021 – Jun 2021

#### System Integrator Apr 2018 – Jan 2021

#### Digitalization Operator Apr 2017 – Mar 2018

- Led the QA team, overseeing the design, coding, and implementation of a suite of testing tools to ensure software stability and performance.
- Developed and automated test cases covering database impacts, software scenarios, unit testing, end-to-end testing, error/bug retesting, and usability.
- Improved pension calculation algorithms, ensuring a **90% coverage** of all relevant variables for accurate and reliable disbursements.
- Worked closely with cross-functional teams to enhance system reliability and user experience.

Managua, Nicaragua

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LinkedIn

GitHub

Portfolio

## Skills

**Frontend:** React, Next.js, TypeScript, Tailwind CSS, Redux, Angular.

**Backend:** Node.js, Express.js, Nest.js, PHP, Laravel.

**Cloud & DevOps:** AWS (Lambda, S3, DynamoDB, CloudFront, API Gateway), Docker, Serverless Framework.

**Voice Tech:** Alexa Skill Kit (ASK), Conversational AI.

**Methodologies:** Agile, CI/CD, Testing (Jest, Cypress).

## Education

### National University of Engineering

Computer Engineer  
2014-2020

Managua, Nicaragua

## Other

- Teacher at Kids Camp (Wordpress Nicaragua) 2023

### WordCamp Managua

- Contributions to CS50x.ni as a Teaching Assistant. 2016-2017

### Certificate