

Arelys Alvarez

Full Stack Software Engineer

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Full-Stack Software Engineer with 4+ years of experience building web applications and modernizing enterprise systems using React, TypeScript, Angular, Java, Spring Boot, .NET, and restful APIs integrations.

Professional Experience

Software Engineer Consultant, LiminalArc — New York City, NY

05/2025 — 07/2026

Groundworks — Enterprise Operational Platform Modernization

- Took ownership of shared Angular component and style guide libraries following a team transition, developing and maintaining reusable UI components and styles across multiple applications.
- Developed frontend and backend features for an enterprise field-service platform supporting inspector scheduling, opportunity management, service workflows, and calendar functionality.
- Collaborated on the removal of 15+ deprecated services and adoption of adapter patterns to decouple business logic from legacy dependencies.

Software Developer Consultant, Thoughtworks, Inc — New York City, NY

02/2021 — 02/2023

Spotify for Artists — Platform Migration

- Contributed to migrating legacy applications to a new platform, working with a cross-functional engineering team to modernize existing functionality, using React, TypeScript, Java, GraphQL, and gRPC.

Citi Consumer Bank — Login Flow Re-Architecture

- Developed microservices for banking login-flow modernization using Java, Spring Boot, and event-driven messaging.

Open Source Tool — Cloud Carbon Footprint

- Developed React and TypeScript dashboards for visualizing cloud emissions, forecasting CO₂e emissions, and identifying infrastructure cost-reduction opportunities.

Selected Projects

El Solar Timbero | Full-Stack Event RSVP Platform | Independent Project

10/2026 — Present

elsolartimbero.com | [GitHub](#)

- Built and deployed a responsive event website and RSVP application using Next.js, TypeScript, React, and Tailwind CSS.
- Built event-specific RSVP workflows using Supabase/PostgreSQL, with form validation and database constraints to prevent duplicate registrations.

Moodify.Fun | Full-Stack Mood-Based Playlist Generator | Independent Project

11/2023 — 4/2025

[Moodify.fun](https://moodify.fun) | [GitHub](#)

- Designed and developed a full-stack web application that generates Spotify playlists based on user-selected mood preferences.
- Built, trained, and fine-tuned a Random Forest machine learning model to classify songs by mood and integrated Spotify APIs for music data.
- Deployed the application on AWS using Docker, Serverless, and GitHub Actions for CI/CD.

Technical Skills

- **Frontend:** React, TypeScript, JavaScript, Angular, HTML, CSS
- **Backend & Data:** Java, Spring Boot, C#, .NET, Node.js, Python, REST, GraphQL, PostgreSQL, MySQL, SQL Server
- **Cloud, DevOps & Testing:** AWS, Azure, Docker, GitHub Actions, CI/CD, Jest, React Testing Library, JUnit

Education

Florida International University — B.S. Computer Science, December 2019

Minor: Mathematics; Mathematical Sciences