



Celsius Emilio Aray – Senior Frontend Engineer

Contact

Email: emilioaray@gmail.com | LinkedIn: linkedin.com/in/celsiusaray | GitHub: github.com/emilioaray-dev | Portfolio: www.celsiusaray.com

Professional Summary

Senior Frontend Engineer with 8+ years of experience building scalable, high-performance, and user-centric web applications. Specialized in React.js, Next.js, GraphQL, and TypeScript, with proven expertise in architecting enterprise SaaS platforms, optimizing performance (60%+ improvements), and leading testing strategies with Jest and Playwright. Adept at cross-functional collaboration, mentoring, and delivering impactful solutions in cloud-native environments. Committed to adapting to emerging technologies like micro-frontends and DevOps advancements..

Core Skills

- Frontend:** React.js, Next.js 14 (SSR/RSC/ISR), Vite, Electron, React Router, TanStack Query (React Query), Zustand, Redux Toolkit, Redux.
- Languages & Tools:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Git, Docker, Vite/Webpack, PNPM, ESLint/Prettier/Biome, Storybook (design tokens), Claude Code, Gemini CLI, Qwen (AI Bash Tools).
- Architecture:** Micro-Frontends (Module Federation with Webpack 5), PWAs, Streaming, Performance Optimization, Role-Based Access Control (RBAC), BFF/Edge (Node.js + Express/Fastify), REST/GraphQL (OpenAPI), Clean/Hexagonal/DDD Patterns.
- Testing:** Jest, Vitest, Playwright, E2E Testing, CI/CD (GitHub Actions).
- Security:** OWASP ASVS/Top 10, OAuth2/OIDC (Entra ID), Key Vault, SAST/DAST/Dependency Scanning (SonarQube).
- Cloud & Deployment:** AWS S3, EC2 + Docker (intermediate level).
- AI:** Proficient in API-driven integrations (REST/GraphQL) for real-time systems, with experience in conversational interfaces and a strong interest in adopting AI frameworks and tools.
- Collaboration:** Agile/Scrum, JIRA, Code Reviews, Mentorship.

Professional Experience

CleverIT Group | Chile | Sep 2022 – Oct 2025

Senior Frontend Engineer – Pulzen.ai (B2B SaaS, AI Dashboards)

- Led the **frontend architecture and interface design** for Pulzen.ai, an **AI-powered SaaS platform** delivering **real-time, data-driven dashboards** for software engineering productivity.
- Engineered the platform using **Next.js 14, GraphQL (WebSockets), Zustand, and streaming**, creating a **modular component architecture** that accelerated feature delivery and enabled controlled beta rollouts.
- Delivered **60% performance improvement** through standalone deployments, resource optimization, and image compression, ensuring scalability at enterprise level.
- Implemented **conversational AI queries** for **DORA/SPACE metrics**, enabling stakeholders to gain insights via **interactive visualizations** in real time.
- Designed and enforced a **comprehensive testing strategy** with **Jest and Playwright**, automating regression and performance checks across critical workflows.
- Integrated **cloud-ready deployments** with Docker, GitHub Actions, and Infrastructure as Code (IaC), aligning frontend delivery with CI/CD best practices.
- Mentored junior developers, promoting **best practices in performance, testing, and frontend architecture**.
- Other projects: Developed mobile and PWA solutions with **React Native** (University of San Sebastián), OCR & QR scanning (Jumbo), and optimized **Under Armour Chile's** e-commerce platform.

Movil5 S.A | Panama | 2016 – Aug 2022

Frontend Developer

- Built and delivered 30+ web projects (static sites, PWAs, IoT integrations) using React, Next.js (SSR/ISR), and React Router, with performance optimizations and testing using Jest.
- Developed mobile apps with **React Native** (Welcome to Rocha, iOS/Android).
- Created IoT web interfaces (**IfSwitch**) and a self-managed digital menu platform (**VuestroMenu**).
- Migrated and optimized apps with **Next.js**, **Docker**, **AWS S3**, **MQTT**.
- Delivered OCR/QR integrations and taught React.js deployment workshops to client teams.

Education

- Bachelor of Laws** – Universidad Bicentenario de Aragua (2005)
- Master’s in Labor Law** – Universidad Carabobo (2012)

Soft Skills

Leadership & Mentorship • Strategic Problem Solving • Critical Thinking • Team Collaboration • Effective Communication

Certifications & Interests

- Enthusiast of **IoT development and smart device integration**
- Continuous learner in **frontend architecture, UX, and mobile optimization**