

ERICK GIRALDO MUÑOZ

Holbrook, NY | +1 860 549 7679 | egiraldom@outlook.com | linkedin.com/in/egiraldo

PROFESSIONAL SUMMARY

Full Stack Developer and IT Infrastructure professional with 12+ years of experience in FinTech environments, sustaining a dual developer/IT role for 6+ years and supporting a platform with 1,000+ active users and transactions. Specializes in React.js, Next.js, Node.js, NestJS, and TypeScript, with hands-on experience implementing Server-Side Rendering (SSR), Static Site Generation (SSG), Incremental Static Regeneration (ISR), and React Server Components. Skilled in advanced TypeScript with strict typing, generics, discriminated unions, and utility types. Strong problem solving, organizational, and verbal communication skills, experienced designing RESTful API and HTTP client layers with interceptors, retry logic, error handling, and fallback/degradation patterns for API resilience. Proficient in OAuth2/OIDC authentication flows, JWT and refresh token management, and integration with CIAM solutions including Okta and Azure AD B2C in both SSR and CSR contexts. Experience with Docker containerization and cloud deployment on Google Cloud Platform (GCP Cloud Run). Familiar with CI/CD pipelines, Git workflows, code review, quality gates, and Definition of Done standards. Strong background in IT infrastructure, Microsoft 365 administration, and endpoint management. Proven track record collaborating in Agile/Scrum environments supporting business-critical FinTech operations.

CORE COMPETENCIES

React.js • Next.js • TypeScript • JavaScript • Node.js • NestJS • PostgreSQL • MongoDB • REST APIs • OAuth2/OIDC • JWT • Docker • Google Cloud Platform (GCP) • CI/CD • Git • Agile/Scrum • Okta • Azure AD B2C • Tailwind CSS • Microsoft 365 • Endpoint Management (Intune, Jamf)

EXPERIENCE

Full Stack Developer & IT Infrastructure Manager

November 2019 – Present

Banexcoin SA | Lima, Perú

- Developed internal web applications using React.js, Next.js, TypeScript, NestJS, and Tailwind CSS, supporting a FinTech platform with 1,000+ active users and transactions, implementing SSR, SSG, and ISR rendering strategies based on each use case.
- Applied advanced TypeScript patterns including strict typing, generics, discriminated unions, and utility types to improve code safety and maintainability across frontend modules.
- Implemented custom React Hooks and applied composition patterns, optimizing renders using memo, useMemo, and useCallback to improve application performance.
- Designed HTTP client layer using wrappers and interceptors with retry logic, timeouts, and fallback/degradation patterns for resilient API consumption.
- Integrated REST APIs using OpenAPI contracts with versioning, error model handling, and idempotency practices, connecting frontend and backend services on PostgreSQL and MongoDB.
- Implemented secure authentication flows using JWT, 2FA, and OAuth2/OIDC standards, including access and refresh token lifecycle management in SSR and CSR contexts.
- Configured Okta identity management for secure user authentication, applying CIAM integration patterns aligned with enterprise-grade identity standards.
- Applied performance optimization and SEO best practices including bundle optimization, middleware configuration, CDN caching strategies, and Next.js routing.
- Collaborated in Agile/Scrum teams using Git workflows, pull requests, code reviews, and quality gates, maintaining Definition of Done standards for all deliverables.
- Monitored application health through observability practices including structured logs, metrics, and traces to support troubleshooting and incident resolution in FinTech environments.
- Provided Tier 1–3 technical support for ~45 users and devices across Windows and macOS environments, cutting average ticket resolution time by roughly 30 minutes and reducing the open support ticket backlog by 50%.
- Managed IT asset lifecycle including hardware provisioning, onboarding, offboarding, and endpoint administration using Intune, Jamf, and Kaseya.

IT Infrastructure Manager

May 2013 – September 2019

Corsurp SAC | Lima, Perú

- Troubleshoot hardware, software, and network connectivity issues across multiple locations, reducing operational downtime through proactive infrastructure support.
- Managed Windows Server environments and supported onboarding/offboarding through system administration and documentation.
- Maintained IT asset inventory and workstation lifecycle management aligned with company security standards.
- Supported VoIP systems, remote access technologies, and end-user technical operations.

PROJECTS

Crypto Portfolio Tracker

- Built a full-stack application (NestJS, Next.js, Flutter) in about 1 week, delivering 4–5 core features across roughly 10 API endpoints. Implemented a dual Backend-for-Frontend (BFF) architecture, real-time WebSocket price feeds via Coinbase, JWT authentication, and Firebase push notifications, backed by PostgreSQL with schema separation.

Areia Bela — Vacation Rental Booking Platform

- Developing a whole-home vacation rental booking site using Next.js and NestJS in a monorepo architecture (pnpm + Turborepo); built the core version in about 1 month, delivering 4–5 features across 10+ API endpoints. Deployed on Google Cloud Platform (Cloud Run), with Stripe payment integration and webhook signature verification.

Banexcoin Bcore — Crypto Exchange Platform

- Contributed to the CMS and front-end integrations for banexcoin.com and Banexcoin Bolivia, supporting core cryptocurrency exchange functionality including trading flows, KYC identity verification, and QR-based stablecoin payment conversion.

EDUCATION

Full Stack Development — Coderhouse, Buenos Aires, Argentina | January 2022 – January 2023

Network & Communications Engineering — ISIL Institute, Lima, Perú | January 2016 – January 2021

SKILLS

Frontend Development: React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Custom React Hooks, Composition Patterns, Render Optimization (memo, useMemo, useCallback)

Next.js Architecture: SSR, SSG, ISR, React Server Components, Middleware, Bundle Optimization, CDN Caching, SEO Optimization

TypeScript: Strict Typing, Generics, Discriminated Unions, Utility Types, Advanced Patterns

Backend & Database: Node.js, NestJS, PostgreSQL, MongoDB, API Design, Database Architecture

API & Resilience: REST API Integration, OpenAPI, HTTP Client Layer Design, Interceptors, Retry Logic, Timeouts, Fallback/Degradation, Error Handling

Authentication & Security: OAuth2/OIDC, JWT, Refresh Tokens, 2FA, Okta, Azure AD B2C, CIAM Integration, Secure Token Storage

Cloud & DevOps: Docker, Google Cloud Platform (GCP Cloud Run), CI/CD Pipelines, Git Workflows, Monorepo Architecture (Turborepo, pnpm)

Real-Time & Payments: WebSockets, Stripe API Integration, Firebase Cloud Messaging

Mobile: Flutter (cross-platform development)

Engineering Standards: Code Review, Quality Gates, Definition of Done, Agile/Scrum Methodologies

Observability: Structured Logging, Metrics, Distributed Tracing, Troubleshooting, Incident Resolution

Infrastructure & Identity: Microsoft 365, Okta, ZScaler, VPN, Intune, Jamf, Kaseya, Endpoint Management

Systems: Windows, macOS, Windows Server, IT Asset Lifecycle, Hardware Troubleshooting

CERTIFICATIONS

CompTIA A+ (In Progress)

Desarrollo Seguro con Flutter (Secure Flutter Development)

AI Fluency: Framework & Foundations — Anthropic

Claude 101 — Anthropic

LANGUAGES

Spanish — Native | English — Basic