Mauricio De La Cruz

Senior Software Engineer | Web and Mobile | React, Next.js, React Native | Fintech and Payments

Asunción, Paraguay (UTC-3), open to remote · delacrucen@gmail.com · +595 982 313 839 · linkedin.com/in/delacrucen · github.com/delacrucen · mauriciodelacruz.vercel.app

SUMMARY

Senior software engineer who builds web and mobile products end to end, from Figma to production, with React, Next.js, React Native and TypeScript. Focused on fintech and payments, often as the technical lead: setting up the architecture, release pipeline and conventions the team builds on. Shipped a mobile banking app from zero to the App Store and Google Play, a banking app on Android POS terminals, a multi-tenant online casino and a payments back office. Comfortable across the stack (Node.js, NestJS, AWS) and careful with security in money flows. Designer at heart: works directly from Figma and builds design systems. Full overlap with US Eastern hours.

SKILLS

Frontend: TypeScript, JavaScript, React 19, Next.js (App Router), TanStack Query, Zustand, Redux Toolkit, React Hook Form, Zod, Tailwind CSS, i18n, Astro

Mobile: React Native, Expo, EAS Build and OTA updates, Expo Router, Reanimated, Skia, VisionCamera, native modules in Swift, Kotlin and C++ (Nitro Modules, Expo Modules API), App Store and Google Play releases

Backend and Cloud: Node.js, NestJS, Express, Prisma, PostgreSQL, MongoDB, DynamoDB, Payload CMS, Convex, AWS (Lambda, S3, EC2, Secrets Manager, EventBridge), Python, Docker

Fintech and Security: Payments and banking integrations, transfers, QR and bill payments, KYC and liveness checks, 2FA (TOTP), RBAC, PII redaction, CSP, idempotent operations, iGaming compliance

DevOps and Quality: CI/CD with GitHub Actions, signed Android build pipelines, PostHog, New Relic, Vitest, Playwright, Jest

Design and Collaboration: Figma, design systems, UI/UX, Confluence, Jira, Agile

EXPERIENCE

Senior Software Engineer (Web & Mobile)

Orbital Solutions S.A. | Contract | Asunción, Paraguay (Remote) | Feb 2026 - Present

Digital wallet, payments and iGaming products.

- Orbital Wallet (React Native, Expo): primary author (~2,300 commits) of a digital wallet and mobile banking app; defined the architecture, design system and 7 end-to-end money flows: transfers, bank aliases, QR payments, bill payments (Bancard), signup, password change and account closure.
- Launched Orbital Wallet on the App Store and Google Play from zero; own releases, OTA updates and App Review.
- Built a native document-capture module in Swift, Kotlin and C++ (Nitro Modules) and a full KYC onboarding with liveness check; migrated KYC providers without interrupting signups.
- Delivered account-recovery flows across the wallet API, support chat backend and agent console: authorized retries with locks, pre-login push notifications and idempotent completion.
- Orbital Play (Next.js, Payload CMS): main frontend contributor to a multi-tenant online casino with domain-based tenants, CMS-driven theming, a player wallet over 8+ microservices, KYC tiers, self-exclusion and cool-off; technical owner of the headless CMS (tenant isolation, RBAC, 10+ security hardening fixes, AWS deploys with rollback).
- Orbital Pay Back Office (Next.js): founded the codebase with a layered architecture, 2FA (TOTP), RBAC, transaction search and exports; still the base of the product a year later.

Senior Full Stack Developer

itti | Contract | Asunción, Paraguay | Jul 2025 - Present

uPay Servicios: banking app on Android POS terminals used by merchants in Paraguay (React Native, Expo, Kotlin).

- Acted as de facto tech lead (~96% of commits), delivering 4 business verticals end to end: cash-in/cash-out, credit lines, e-invoicing and top-ups.

- Built native Kotlin modules for printing and hardware, and a GitHub Actions build and signing pipeline with an environment-by-hardware matrix and a production approval gate.
- Hardened money flows and session recovery: double-tap guards, telemetry sanitization and dependency remediation.
- Contributed to the shared POS hardware SDK (MoreFun/Newland) and its design system; shipped fixes to the next-generation uPay app (order queue, reprints, signatures).
- Built a serverless Python and AWS Lambda pipeline that feeds DynamoDB data to the data lake: 9 pipelines across 3 environments from a single codebase.
- Wrote the project's technical wiki in Confluence (architecture, API contracts, end-to-end flows), used for team onboarding.

Senior Software Engineer (Web & Mobile)
Vextar | Full-time | Asunción, Paraguay (Remote) | Nov 2023 - Present

Software studio. Multiple client projects across fintech, health, fitness and education.

- As main developer, built a fintech app with instant payments (PIX) and KYC with real-time face detection, plus an internal design system of 40+ components (React Native, Expo).
- Delivered a fitness platform: mobile app with workout player, Next.js back office and NestJS backend.
- Built a school app with grades, calendar and school-fee payments (React Native, Expo Router).
- Took four health apps from zero to signed production builds.
- Shipped corporate sites and landing pages in Astro and Next.js.

Freelance Software Engineer
mauridevs | Freelance | Remote | Nov 2022 - Present

Independent web and mobile work for clients and my own products.

- Delivered client sites end to end, from proposal to maintenance: corporate sites, landing pages and campaigns in Next.js and Astro, with custom typed i18n, bot protection, client-side image compression and SEO.
- Built an online raffle platform for real client campaigns (Next.js, Prisma): local payment gateway with webhooks, temporary number reservations and an admin panel; three iterations from MVP to product.
- Design, build and ship my own products end to end (see Projects): a mobile marketplace, a multi-tenant SaaS and a music PWA.

PROJECTS

Más Ganado (React Native, Expo, Firebase): Mobile livestock marketplace for Paraguay with fixed-price listings and live auctions with countdown. Sole author: Firebase Auth, 9-step signup with Zod, server-side filters, two EAS release environments. In active development.

Gym Manager (Next.js 16, Convex, Better Auth): Multi-tenant CRM for gyms: memberships, payments, branches, inventory and point-of-sale, with per-gym data isolation, roles and consent-based WhatsApp reminders.

Gmusic Fenix (Next.js 16, Convex, Zustand): Music PWA with persistent playback and synced lyrics; rebuilt the full stack and migrated the data layer from Django to Convex, with passkeys, community contributions and moderation.

EDUCATION

English program, full curriculum completed, Advanced level, Centro Cultural Paraguayo Americano (CCPA), 2018 - 2024

Software Engineering Bootcamp, 100Devs, 2022

LANGUAGES

English: full professional proficiency · Spanish: native