Eric Fabian Castillo Ruiz

Software Engineer | React · TypeScript · Laravel · AI-Assisted Engineering

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SUMMARY

Software engineer who starts from the business problem, not the framework, and uses Claude Code daily as an engineering tool, not a shortcut: I define the requirements, flow and quality bar, review every change and protect it with tests and CI. Co-founded Klaca Tech and built LESCU (1 to 8 schools, 1,400+ active Android users, 359 on iOS, 800–1,200 QR scans per day). Sole engineer of RACSA's maintenance system (120 assets): debugged end to end in one week and protected with 500+ unit tests written in five days. 3+ years shipping to production.

EXPERIENCE

Klaca Tech · Co-founder & Full-Stack Mobile Developer (Remote) — Mar 2025 – Present

- Identified the problem by observing how schools took attendance (paper registers per group, rewritten by hand every day) and co-founded Klaca Tech to replace it with LESCU.
- Built LESCU end to end: QR attendance, NFC reading, push and emergency notifications, role-based access; 8 schools in production, 1,400+ active users on Android and 359 on iOS.
- Designed an offline-first architecture (local cache) after teachers raised data-plan concerns and schools reported unreliable internet; rebuilt the app as v2.0 in ~2 months with React Query and a full UI redesign, taking the platform from 1 school to 8.
- Work Jira tickets directly from Claude Code; tickets and deploys now ship in under a day with fewer errors thanks to AI-assisted review. Own mobile releases with Fastlane.

RACSA · Full-Stack Developer (Internship, part-time) — Aug 2026 – Present

- Asked to build a maintenance system; mapping the process revealed the real bottleneck: information scattered across WhatsApp, no records, history or statistics.
- As sole engineer, built a single source of truth (normalized database, Laravel API, React front end) managing 120 assets and the full maintenance cycle: preventive, corrective and forced part replacement, with users, admin panel and tag transaction logs.
- Debugged the entire system in one week and wrote 500+ unit tests in five days with Claude Code; GitHub Actions pipelines gate every merge. Deployed with Docker on Ubuntu Server.

Devoost · Mobile Front-End Engineer — Sep 2023 – Feb 2025

- Built the complete React Native front ends of three production apps, from setup to deployment: Access Drivers (towing tracking), Mondou (e-wallet app for a premium salon) and StreamEAI (streaming). Integrated Stripe payments in two of them.
- Integrated REST APIs with JWT authentication and managed state with Redux and React Query.

AI-ASSISTED ENGINEERING

- Claude Code daily for planning, implementation, debugging edge cases, unit tests, code review (bottlenecks, reusability) and documentation; Jira connected to read and work tickets; custom Claude Code skills for processes I used to do by hand.
- I own the engineering: I specify the flow, requirements, limits and quality before coding, review every change against the requested behavior, reject redundant code, and rely on unit tests and CI pipelines to protect what already works.
- Practices: requirements gathering, use case and ER diagrams, flowcharts, software development life cycle phases, technical documentation.

TECHNICAL SKILLS

Front-end: React, TypeScript, JavaScript (ES6+), React Native, React Query, Redux (Toolkit/Saga), HTML5, CSS3
Back-end: Laravel (PHP), REST API design, SQL Server, database design, Stripe payments
DevOps & quality: Docker, Ubuntu Server, GitHub Actions (CI/CD), Fastlane, Git, Jest, PHPUnit, Sentry
AI tools: Claude Code (custom skills, Jira integration), GitHub Copilot

EDUCATION

B.S. in Computer Systems Engineering · GPA 9.4/10
Tecnológico de Estudios Superiores de Coacalco, 2022 – 2026 (graduated; degree conferral in progress, expected 2027)