



Hernán David Figueroa

Bogotá, Colombia · Remote · GMT-5

Senior Developer · React Native · Fintech & Secure Payments · Fullstack

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Portfolio

ABOUT

Senior Developer with 7+ years of experience building production mobile and web applications, specialized in **React Native**, **fintech** and **secure payments**. Built a **fintech mobile app from its first user to 500+ daily active users**, led the development of a **last-mile logistics platform** operating in several Latin American cities, and implemented **PCI DSS-compliant** security controls (SSL pinning, integrity validation and secure AWS Lambda services) at one of Colombia's leading payment gateways. Combines clean architecture and security-first engineering with an **AI-assisted spec-driven development (SDD) workflow** (Claude, Codex, Kiro) that delivers 2–3x faster with 90% test coverage.

EXPERIENCE



Mobile Engineer

Nov 2025 – Present

Wompi · Fintech Payment Gateway · Colombia · Remote

1 yr

- Develop and maintain Wompi's **React Native** app, live in production on **Android, iOS and Android POS terminals**, including **Topwise and Ingenico** devices.
- Implemented **Tap to Phone** contactless card acceptance on Android and iOS smartphones and completed **L3 certifications** for card payment acceptance.
- Implement **SSL pinning**, **certificate transparency validation** and runtime integrity checks to protect the app against MITM attacks and tampering.
- Build and secure **AWS Lambda** services in compliance with **PCI DSS** requirements for handling sensitive payment data.
- Apply an **AI-assisted spec-driven development (SDD)** workflow with Claude, Codex and Kiro, delivering **2–3x faster** with **90% test coverage**.

React Native

TypeScript

NestJS

AWS Lambda

Tap to Phone

Jest

AI-Assisted SDD

SSL Pinning

PCI DSS



Senior Mobile Developer

Sep 2023 – Nov 2025

Mento · Fintech Startup · Chile · Remote

2 yrs 3 mos

- Built the React Native app **from scratch**, from the initial architecture to **500+ daily active users** in production.
- Owned the **end-to-end release pipeline**, from CI/CD configuration to App Store and Google Play publishing.
- Implemented mobile security controls, including **secure storage**, **token rotation** and encrypted communication, to protect users' financial data.

React Native

TypeScript

Expo

Node.js

CI/CD

App Store

Google Play



Mobile Technical Lead

Jan 2022 – Jun 2024

Bentex · Subsidiary of Logistecsa · Colombia & Ecuador · Remote

2 yrs 6 mos

- Designed and built **MetroDelivery**, a last-mile logistics mobile platform, from the ground up: driver tracking, route assignment, delivery confirmation and real-time status updates.
- Led a **3-person mobile team**, owning architecture decisions, code reviews, development standards and feature planning.
- Defined the app's data flow and offline-first strategy, allowing drivers to keep working in low-connectivity areas.

React Native

TypeScript

React

REST APIs

Maps SDK

Offline-first



Frontend & Mobile Developer

Oct 2022 – Sep 2023

Orbis Data · Chile · Remote

1 yr

- Migrated web-based flows to React Native screens, improving load times and UX consistency across platforms.

React Native

React

Redux-Saga

REST APIs



Fullstack Developer

Dec 2020 – Feb 2022

Koscrypt · Colombia · Remote

1 yr 3 mos

- Built REST APIs and web applications with Node.js, Express and Angular.

React Native

React

Angular

Express

Node.js

PostgreSQL

EDUCATION



Systems Engineering
CUN — Corporación Unificada Nacional

In progress · Stackable degree program

Technical > Technologist > Engineering



Fullstack Bootcamp
Henry

Sep 2020 — Jan 2021

LANGUAGES

Spanish Native ●●●●●

English Intermediate (B1) ●●●●●

PUBLICATIONS

Code with judgement

Book · Amazon Kindle · Oct 2026 AI

Guide to developing software with AI without losing your craft: specs, delegation, verification, testing and AI Debt.

TECH STACK

MOBILE

React Native TypeScript Expo
Kotlin Multiplatform

DEVOPS & DELIVERY

CI/CD App Store Connect
Google Play AWS

AI-ASSISTED DEVELOPMENT

Spec-Driven Development Claude
Codex Kiro

BACKEND

NestJS PostgreSQL AWS Lambda
Express Node.js REST APIs

FRONTEND

React Angular Next.js

SECURITY

SSL Pinning PCI DSS OWASP Mobile
Secure Storage

PRACTICES

Clean Architecture SOLID TDD
Secure SDLC

PERSONAL PROJECTS



CyberQuest — Founder & Lead Engineer
cyber-quest-landing.vercel.app · Currently in Beta

2025 — Present
Beta

- Designed and built, as sole architect and developer, a gamified cybersecurity training platform for companies: **React Native** mobile app, web dashboard and AI engine.
- Implemented **passwordless OTP authentication**, role-based content (administrative, technical and managerial) and real-time progress analytics for enterprise clients.
- Integrated **AI-generated contextual feedback** and automatic certificate issuance after each training module.
- Aligned training content with ISO 27001, COBIT and OWASP frameworks to support regulatory compliance needs.

React Native TypeScript NestJS AI Integration Gamification



Foundry Virtual Tabletop — Open Source Contributor
foundryvtt.com · v1.15.2 · Published on Official Marketplace

2022 — Present
v1.15.2

- Develop and publish **modules and a custom game system** for **Foundry VTT** (200+ supported game systems) on its official marketplace, extending the platform through its JavaScript API.

TypeScript Open Source Plugin Architecture Game Systems Web APIs

CERTIFICATIONS

Certificate in Artificial Intelligence

CUN · Oct 2026 AI

Certified in Cybersecurity (CC)

(ISC)² · Nov 2022 Security

Secure Software Development

Udemy · Oct 2022 Security

SOLID Principles & Clean Code

Udemy · Oct 2022 Architecture

EF SET English Certificate

EF SET · Dec 2021 Language