

Kevin Danae Aguilera Barragan

Software Engineer | TypeScript React | Platform & Internal Tools | GenAI Integration

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SUMMARY

Software engineer with 4+ years of experience building full-stack products, internal tools, and production applications with TypeScript and React. I've shipped cross-platform user experiences, admin platforms, backend services, and security tooling, with a focus on scalable systems, service integrations, and reliable workflows. My work includes improving app performance by 20%, strengthening development workflows with CI/CD automation, reducing security remediation time, and testing AI-driven solutions that can be integrated and operated in production.

KEY ACHIEVEMENTS

Launched Monetization Stack

Established the in-app monetization stack for subscriptions and bundle purchases, turning purchases from \$0 into live revenue.

CI/CD Workflow Optimization

Improved development workflow speed and code quality by building CI/CD automation focused on more reliable delivery and earlier issue detection.

Streaming App Performance Boost

Delivered a 20% performance improvement for a streaming app using Expo SDK.

Security Remediation Efficiency

Achieved 15% reduction in remediation time for security vulnerabilities.

AI Subtitle Translation Integration

Integrated AI-driven subtitle translation that reached 95% accuracy.

EXPERIENCE

Founding Software Engineer

Remote, Mexico

Idilio TV - Video Streaming Startup

12/2025 - Present

- Shipped a cross-platform streaming app (iOS & Android) in React Native and Expo SDK
- 54: 112+ components, 36 Redux Toolkit slices, 23 custom hooks covering auth, Mux video playback, recommendations, and a rewards system
- Created a React 19 + Vite admin dashboard (258+ components) for internal content operations, with resumable video uploads, drag-and-drop ordering, and Zustand state connected to Supabase via auto-generated TypeScript types
- Engineered a NestJS 11 API and 11 Supabase Edge Functions to support secure, resilient integrations across authentication, webhooks, content workflows, and operational services
- Owned 223+ PostgreSQL migrations and PL/pgSQL RPCs: row-level security, country/region geo-fencing, and unified content evaluation across 4 entity types
- Built a custom A/B testing platform with deterministic FNV-1a hash bucketing and JSONB targeting to support scalable experimentation across countries, regions, languages, and subscription tiers
- Integrated AI-driven subtitle translation with AWS Bedrock and Translate, and set up push notifications through AWS ECS Fargate and Expo Server SDK (iOS APNs + Android FCM)

Software Engineer Cybersecurity

Remote, Mexico

Mercado Libre - Largest E-commerce & Fintech in Latin America

04/2022 - 12/2025

- Built security automation tools and DevSecOps pipelines (Python, JavaScript) for CI/CD workflows, including static analysis, secret scanning, and policy-as-code to improve remediation speed for severe findings.
- Contributed to full-stack product features and internal systems (JavaScript, React, Node.js, Python) for consumer-facing products with millions of daily users before transitioning to security engineering.
- Enforced secure-by-default patterns across microservices: authentication, secret management, and dependency hardening at scale.

True home - Proptech Real-estate Marketplace

Mexico City, Hybrid

Truehome - Proptech Real-estate Marketplace

10/2021 - 04/2022

- Built React-based internal tools and back-office systems for operations, agents, and sales teams to manage listings, leads, and transactions
- Expanded reusable UI components, integrated REST APIs, and collaborated cross-functionally in an Agile/Scrum environment

EDUCATION

Bachelor's Degree in Physics
TECH Universidad Tecnologica

Online
01/2022 - Present

Full Stack Web Development
Henry Bootcamp

Online
01/2021 - 12/2021

TRAINING / COURSES

Ruby on Rails

Udemy

LANGUAGES

English (Advanced)

Spanish (Advanced)

SKILLS

Proficient Skills:

TypeScript, React, React Native, NestJS, Node.js, PostgreSQL/Supabase, AWS, Platform Engineering, Service Integrations, GenAI Features, CI/CD Automation

Technologies and Tools:

Redux Toolkit, Zustand, Reanimated, Flash List, Expo Router, Kotlin + Jetpack Compose, Hono, Deno 2, REST APIs, REST APIs, Internal Tools, Admin Platforms, Supabase Edge Functions, PostgreSQL Schema Design, Redis, AWS (ECS Fargate, Bedrock, SES, Scheduler), Docker, GitHub Actions, Vercel, EAS Build, DevSecOps, JWT/OAuth, HMAC-SHA256, Jest, React Testing Library, AWS Bedrock, Anthropic Claude API, RevenueCat (IAP), Stripe, Mux Video, PostHog, Firebase

FIND ME ONLINE

Portfolio (<https://kevinaguilera.tech>)

GitHub
(<https://github.com/Kevin-Danaea>)

CERTIFICATIONS

Microsoft Azure Fundamentals
[Microsoft](#)

Scrum Fundamentals Certified / SFC
[SCRUMstudy](#)