

Joan Garcia

Full Stack Mobile Developer

joan.engineer · github.com/sivefunc · linkedin.com/in/sivefunc · joan-uni@outlook.com
+58-424-332-7276 · freelancer.com/u/sivefunc · Maracay, Venezuela • English C1

Education

UBA (Universidad Bicentenaria de Aragua) Sep. 2022 – Jul. 2026
Systems Engineering *GPA: 18.79 / 20*

- Thesis: MacroLog (Turpial), an AI calorie and macronutrient tracker. Approved.

Technologies

Languages: TypeScript, JavaScript, PHP, Python, Dart, C, SQL
Mobile: React Native, Expo, Flutter, NativeWind
Web: React, Next.js, Tailwind, TanStack Query, HTML5, CSS3
Backend: Laravel, Node.js, REST APIs, MySQL, PostgreSQL, SQLite
Real time and push: Pusher, WebRTC, Firebase, APNs, Web Push (VAPID)
Testing: Jest, React Native Testing Library, PHPUnit, Vitest
Infrastructure: Git, GitHub Actions, NGINX, PM2, GNU/Linux, Cloudflare

Experience

Fundación DSF (Derecho Sin Fronteras) Mar. 2026 – Present
Mobile Applications Developer *Full-time · Costa Rica (remote)*

- UI/UX, asset and logo design, and development of the app for iOS, Android and web (PWA) from one Expo / React Native codebase, published on the App Store and Google Play.
- Real-time chat on iOS and Android with local history in SQLite, full-text search with FTS5 and a send outbox with idempotency keys: a message written with no signal is delivered on reconnect.
- Push notifications: FCM on Android, direct APNs on iOS and Web Push with VAPID on the PWA, with deep links.
- Document scanner with on-device corner detection using ONNX and a native C++ module, with live framing guidance and auto-capture.
- Voice agent with ElevenLabs over WebRTC that reads the current screen and hands the chat to a human agent.
- AI assistant with Claude for the in-app chat, WhatsApp and Facebook and Instagram DMs, with human handoff.
- Social inbox in the ERP for Facebook and Instagram comments and DMs through Meta webhooks.
- Laravel backend: REST API and service layer serving the mobile app, the internal CRM and a partner ERP.
- Schema-driven surveys, representation of third parties and account deletion built around Costa Rica's Ley 8968.
- Telemetry of 420+ event types over partitioned MySQL, with funnel, error and retention dashboards in the CRM built in Next.js.
- Automated tests (Jest, Vitest, PHPUnit) and continuous deployment with GitHub Actions.

Eternity Ready Media Jul. 2025 – Mar. 2026
Lead Full Stack Developer *Freelance on Freelancer.com since Dec. 2024*

- UI/UX design and design of the assets and logos, next to the code.
- Cross-platform app in Flutter for iOS and Android, for the largest source of Bible-prophecy websites on the internet. 10,000+ downloads, 500+ reviews.
- UI generated from a CMS and cached on the device to keep working through connection failures.
- Firebase Push Notifications, In-App Reviews and Google Cast device discovery on iOS.
- eternityready.com on a Keystone 6 CMS, with a React radio bar and a Next.js podcast site, visited by 30,000+ people a month: video, podcasts, radio and TV channels, with Google Sign-In and paid subscriptions through Stripe.
- Service migration between VPS providers: databases, NGINX/PM2, Cloudflare DNS and SSL certificates.

Recognition and Open Source

V Ibero-American Congress of University Students (CIEU) 2025
Speaker with MacroLog: AI-powered calorie and macronutrient tracker *React Native, Expo, Gemini*

Open source: Fdroid-auto (Android apps over ADB) · Venrate (USD/BS rates) · FOSS-Shake (puzzle in C/SDL2) · Ansi2048 (2048 in the terminal). 25+ repos at github.com/sivefunc

UNIVERSIDAD BICENTENARIA

CIEU

V CONGRESO IBEROAMERICANO DE ESTUDIANTES UNIVERSITARIOS UBA

República Bolivariana de Venezuela
Ministerio del Poder Popular para la Educación Universitaria
Universidad Bicentenaria de Aragua

V CONGRESO IBEROAMERICANO DE ESTUDIANTES UNIVERSITARIOS

"Innovación y Conexión"

Se otorga el presente

RECONOCIMIENTO

Joan Antonio Garcia Pernia

Por haber participado como PONENTE en el V Congreso Iberoamericano de Estudiantes Universitarios "Innovación y Conexión", presentando la investigación titulada: "MACROLOG – APLICACIÓN MOVIL REGISTRADORA DE CALORÍAS Y MACRONUTRIENTES CON INTELIGENCIA ARTIFICIAL", realizado en nuestra ilustre casa de estudios.

San Joaquín de Turmero, a los dos días del mes de julio de 2025.

¡Sueña, Haz que suceda!

Abg. Wilmer Galindez Mijares
Decano de Investigación, Extensión y Postgrado

Dra. Mirian Regalado
Vicerrectora Académica UBA

Dra. Maite Marrero
Directora de Investigación UBA

48 horas académicas

N° Folio: 124 Tomo: 01 Fecha: 02/07/2025