# Omar Garcia Rios

Full Stack Software Engineer

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## SUMMARY

Software Engineer with 7+ years of experience developing production web applications, backend APIs, and integrations. Experienced with Node.js, TypeScript, PostgreSQL, and asynchronous job processing, with a focus on building maintainable and scalable systems.

## EXPERIENCE

**Prototyp Stockholm AB** | Full Stack Developer — Barcelona, Spain | August 2019 - Present

Building web platforms, backend services, and mobile applications in cross-functional teams, from concept to production.

**UNICEF — Fundraising & donation platforms**

- Integrated the donation platforms with Salesforce for donor records, Saleor for e-commerce, Adyen for payments, and Contentful for content.
- Built and maintained donation and recurring-giving flows across the platform.
- Developed features across Node.js, React, and TypeScript services hosted on Heroku, with image storage on AWS S3.

**PlayWellMinds — Mental health & AI coaching app**

- Built an AI coaching chat that draws on each user's in-app data and follows the app's coaching guidelines.
- Added AI-generated reports, using the Vercel AI SDK with Claude and Gemini models for both chat and reports.
- Built the Flutter interface with real-time synchronization through Firestore.

**Gapminder — World development education**

- Helped build the quiz engine, the Elixir/Phoenix backend API, and the Vue.js frontend.
- Worked on the Contentful integration that lets editors update quiz content without code changes.

**Handelsbanken Marknadsinformation — Financial market data**

- Built financial charts and data tables in Angular for market data and fund information.
- Developed backend endpoints in C# and .NET running on Microsoft Azure.

**Recycla.se — Recycling marketplace**

- Worked mainly on the back office, built with Phoenix LiveView.
- Built push notification features and background jobs with Oban.

**Ireno — Home renovation marketplace**

- Built the main customer flow, including contract generation and an e-signature integration.
- Developed server-rendered UI with Ruby on Rails, Stimulus.js, Hotwire, and PostgreSQL.
- Set up reproducible containerized development and deployment workflows using Docker.

## EDUCATION

**Universitat Politècnica de Catalunya (UPC)** | Bachelor's Degree in Informatics Engineering — 2015 - 2019

Software Engineering Specialization · Barcelona, Spain

## PROJECTS

**Tohab — tasks & habits** | CREATOR & FULL STACK DEVELOPER `github.com/Cr0s4k/tohab`

A mobile task and habit journal that works offline and syncs to a self-hosted backend.

- Built an installable SvelteKit app with local data in RxDB and synchronization through Hono and PostgreSQL.
- Added natural-language task capture, recurring tasks, and habit streaks that account for schedules and pauses.
- Made every change undoable with an activity history, and added Web Push reminders, a calendar feed, JSON backups, and Todoist import.

**EBA — headless CMS backups** | CREATOR & FULL STACK DEVELOPER

A Contentful app that backs up a space's content and assets on a schedule to the customer's own Google Drive.

- Built the Contentful app in React with a NestJS API for configuring and restoring backups.
- Encrypted backups before upload, so customer content never stays on our servers.
- Ran daily and weekly backups on BullMQ queues, with email alerts and Stripe billing.

**Maxims Reminder** | CREATOR `github.com/Cr0s4k/maxims_reminder`

A personal reminder tool that turns maxims saved in Notion into Telegram reminders and generated wallpapers.

- Built a Python job that reads the selected maxim from a Notion database, posts it to Telegram, and generates a wallpaper.
- Scheduled the job to run every two hours with Docker Compose.

## TECHNICAL SKILLS & LANGUAGES

**Backend**

Ruby on Rails; Node.js / Express / NestJS; Elixir & Phoenix; C# / Microsoft .NET; Python (Django, Flask, FastAPI); GraphQL & REST APIs; Microservices & Background Workers (Oban/Sidekiq)

**Frontend & Mobile**

React / Next.js; Flutter & Dart; React Native; Vue.js / Nuxt; Angular; TypeScript & JavaScript; Tailwind CSS; Svelte / SvelteKit

**Cloud & Data**

PostgreSQL; MySQL; Redis; Offline storage & synchronization (RxDB); Firebase / Firestore; AWS Cloud Services; Google Cloud; Microsoft Azure; Docker & Containerization; Prisma ORM; Contentful CMS; Saleor E-Commerce

**Applied AI**

LLM Integration & Prompt Pipelines; Agentic Development (Claude Code, Codex, Copilot), custom skills & rules

**Languages**

Spanish: Native; Catalan: Full Professional Proficiency; English: Professional Working Proficiency