Csaba Rácz

Full-stack & AI Engineer · Voice AI · Agents · Web · Mobile · Edge

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Budapest, Hungary · remote / hybrid
Hungarian (Native) · English (C1)

Full-stack and AI engineer from Budapest. I design and ship web, mobile and voice-AI products end to end: from the database and the edge to the pixels and the App Store release. Open to new roles & interesting projects.

EXPERIENCE

Full-stack Developer
2023 — now

ProCat Solutions Kft. · Budapest

Software studio building web, mobile, SaaS and voice-AI products for Hungarian and international clients. 15+ shipped projects; often the sole or lead developer from architecture to store release.

Freelance Web Developer
2022 — 2023

Independent

Websites and web apps for small businesses; Angular + Strapi headless CMS rebuild for a building-services company.

Junior Frontend Developer (state-recognised qualification)
2022

Soter-Line Education Centre · Budapest

Six-month intensive programme (EQF level 4): HTML, CSS/SCSS, JavaScript, Angular, Firebase.

SELECTED PROJECTS

VYBEX
2026

ProCats · own product · Sole developer, end to end

- Built the whole product alone: Flutter client for Android, iOS and web, a Dart API server and PostgreSQL.
- Wired AI image generation (Gemini / OpenAI), a dropshipping catalogue, Stripe checkout and automated invoicing into one purchase flow.

Flutter · Dart · PostgreSQL · Gemini · OpenAI · Stripe · Docker

AI phone ordering
2025

Restaurant-tech startup · Core backend & AI developer

- Real-time speech pipeline over Telnyx with streaming speech-to-text, LLM-driven dialogue and text-to-speech.
- Menu matching with vector search (RAG over the menu) plus fuzzy fallbacks, so "a large one of the spicy thing" still lands on the right item.

Voice AI · Telnyx · Speech-to-Text · Text-to-Speech · Gemini · LangChain · RAG

SKILLS

AI · Voice · Agents

LLM apps · Voice AI · Agent systems · RAG · Claude API · MCP · OpenAI · Gemini · Vector search · Speech-to-Text · Text-to-Speech · Telnyx · LangChain · Local LLMs (MLX) · Computer vision

Backend & Data

TypeScript · Node.js · NestJS · PostgreSQL · Redis · BullMQ · WebSockets · Express · Drizzle / TypeORM · Dart · Stripe · SSO / OAuth / OIDC · GraphQL · Python · C# · Web3 (ethers, wagmi)

Web & SSR

Angular · Core Web Vitals · React · SvelteKit · Next.js · Astro · SEO & AI search · Headless CMS · Nuxt · Three.js

Mobile

Flutter · React Native · Store releases · Ionic / Capacitor · Offline-first · Push / Firebase · Kotlin / Compose

Cloud & DevOps

Cloudflare · Workers / Pages / R2 / D1 · Docker · Performance tuning · AWS (S3, EC2, Lambda) · Object storage · CI/CD · Linux & nginx · Sentry · Observability · Proxmox · Hetzner

Hardware & Home

ESP32 / ESPHome · Home Assistant · Automations · Music Assistant · Bluetooth / BLE · 3D printing

ALSO BUILT

Abigel.ai: Multi-tenant SaaS for building and running AI voice agents, with a visual flow editor and usage-based billing.

Field-service mobile apps: Workflow and workforce-management mobile apps for field crews of large Hungarian energy utilities, built to keep working with no signal.

TGS Hungary: Gamified mobile app with Hungarian meme mini-games

where players earn crypto tokens and move them to their own wallet.

YoloAI: AI tutor app built in 30 days on a 3 million HUF budget for the Hungarian startup series "Ötlettől a Milliárdokig".

KYC-gated token presale: A crypto presale dApp where buyers pass an in-browser KYC selfie check before the backend approves them on-chain.

Roksh & ALDI online shop: Courier app for Hungary's grocery-delivery marketplace, plus the ALDI-branded online shop running on the same platform.

Service booking marketplace: Multi-tenant marketplace with separate customer, provider and admin apps for booking services by category.

Fleet & transport management: Internal system that runs a cold-chain haulage fleet: vehicles, services, holidays, fuel-card data and Excel round-trips.

EDUCATION

Bilingual secondary school (HU–EN)

Szent Benedek PG · Kiskunfélegyháza