Kornél Varga

AI Automation Engineer · Voice agents, CRMs and integrations

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SUMMARY

I build AI automation and custom software end to end: voice agents that answer and make calls, the CRM and messaging behind them, and the integrations that tie it together. I own every layer, from telephony and compliance filings to the backend and frontend.

Alone, I have shipped four production applications with over 880 commits and 57 edge functions, around full-time shift work. I build with AI coding tools heavily and on purpose; what I bring is the judgement on what to build, which trade-offs to take, and getting it live in front of real users. As a Hungarian citizen I need no work sponsorship in the EU.

EXPERIENCE

Founder & Engineer Mar 2026 to Oct 2026
VargaFlow · self-employed · remote

Built and ran, alone, a marketing and sales system for US home service contractors.

- **AI phone receptionists** on Retell with ElevenLabs voices: triage the call, book a real slot on the owner's Google Calendar, email the owner. A prompt template system turns a new business into a config file, not a rebuild. Hard safety rule for emergencies: a gas leak gets emergency guidance, never a booking. Live demo: kornelvarga.com.
- **CRM** the business ran on: pipelines, two-way SMS and email inbox, and multi-step sequences sent through a cron-driven message queue over Twilio and Resend. Replaced Calendly with my own booking system on the Google Calendar API. AI text agent on the inbound SMS line that answers leads and books calls.
- **Contractor-facing app**: contacts, messaging, browser calling on the Twilio Voice SDK through the EU edge, automated review requests and follow-ups. Multi-tenant, with auth on every automation endpoint.
- **Websites**: the custom-coded, prerendered vargaflow.com, and a template that builds a separate client site per config file, each its own Vercel project.
- **Infrastructure and compliance**: Supabase (Postgres, row-level security, Deno edge functions), Twilio SIP trunking across the US and the Netherlands, and A2P 10DLC brand and campaign registration filed myself.

Order Picker Jul 2026 to Oct 2026
Lidl Distribution Center Weert, placed via AB Werkt · Netherlands

Full-time shift work while building VargaFlow in the remaining hours.

Customer Advisor Dec 2024 to Dec 2025
JD Sports Fashion · Győr, Hungary

Product advice on the sales floor, POS and cash handling, complaints and returns.

Guest Relations & Entertainment Host Apr 2024 to Oct 2024
One Stop Entertainment · Paralimni, Cyprus

Daily guest programmes at an international resort, run entirely in English.

Front Desk Receptionist Apr 2023 to Sep 2023
Fittinn · part-time

SKILLS AND EDUCATION

VOICE	Retell AI, ElevenLabs, prompt and tool design, testing on real phone calls
TELEPHONY	Twilio Voice and SMS, Voice SDK, SIP trunking, A2P 10DLC
BACKEND	Supabase, PostgreSQL, row-level security, Deno edge functions, webhooks, cron queues, REST APIs
FRONTEND	React, TypeScript, Vite, Tailwind, PWA
INTEGRATIONS	Google Calendar API, Resend, Outscraper, Vercel
COMPLIANCE	GDPR, EU AI Act transparency, messaging consent
LANGUAGES	Hungarian (native), English (fluent)
EDUCATION	Érettségi (Hungarian secondary school leaving certificate)