



FILIP BRANKIEWICZ

CTO & Co-Founder · Engineering Leader

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Self-taught technical and operational leader who builds products end-to-end and scales teams from zero. Currently sole engineer behind a production biometric identity and AI-content-verification platform; previously built and led the engineering function at Guider AI from inception through acquisition. Comfortable owning the whole stack — ML, distributed backends, cloud infrastructure, and web/mobile clients — and equally at home running delivery on the ground.

EXPERIENCE

CTO & Co-Founder

Dec 2025 – Present

Liken — biometric identity & AI-content verification

- Sole engineer behind a production platform: ~50k LOC, zero to production in ~4.5 months across ML, backend, infrastructure, and both client apps.
- Built a face- and voice-recognition pipeline from scratch — 512-dim face embeddings (AuraFace) and 192-dim voice embeddings (WeSpeaker ECAPA-TDNN) served from a Python/FastAPI inference service, with per-user centroid models for robust identity matching.
- Engineered deepfake / AI-content detection fusing six signals (container metadata, per-frame AI-image detection via a SAFE ONNX model, double-compression analysis, inter-frame SSIM splice detection, audio-discontinuity analysis) into a single verdict engine.
- Built liveness detection and anti-spoofing: in-browser MediaPipe face-landmarker, randomized challenge prompts, and server-side anomaly screening of captured selfies.
- Designed an anti-fraud cross-registration system preventing duplicate identity claims via Pinecone vector-similarity thresholds with tiered hard-block / human-review logic.
- Architected an event-driven backend (typed domain events) decoupling identity, transactional email, and analytics; 37 Hono API endpoints with JWT/JWKS auth, RBAC, rate limiting, content-provenance signing (SHA-256 + perceptual dHash) and webhook integrations (Meta Graph, Stripe).
- Stood up and operate a 6-service architecture across Fly.io, Vercel, and Expo/EAS with full CI/CD (GitHub Actions, Release Please, Chromatic), plus Stripe Embedded Checkout with idempotent, webhook-driven entitlement grants.
- Built the web (Next.js 16 / React 19) and mobile (React Native / Expo) clients on a shared design-system monorepo.

Founding Head of Engineering

Apr 2020 – Mar 2026

Guider AI (acquired by Thrive Learning, July 2025)

- Built Guider's engineering function from 0 → 10+ and led the team through acquisition, establishing a squad-based, ownership-driven delivery model.
- Owned architecture and delivery across the product suite; scaled the platform from thousands of users to millions.
- Shipped enterprise capabilities including a Microsoft Teams embedded app, internal metrics dashboards, and an AI-powered chatbot built on fine-tuned GPT models.
- Led major platform migrations and stack decisions across cloud and data layers (GCP → Azure; Firebase → CosmosDB → MongoDB Atlas) and built the analytics/instrumentation stack (BigQuery, Power BI, Mixpanel).

Co-Founder & Technical Delivery Lead

Jul 2024 – Present

GPKO Solutions — telecoms & electrical infrastructure

- Deliver end-to-end projects across structured cabling/LAN, telecommunications, electrical and lighting installations, CCTV, SSWiN, and access control.
- Own project execution financially and operationally — budgeting, procurement, planning, client coordination, and hands-on work — including LAN/fiber and electrical certifications and measurements for acceptance and compliance.

Founder & Managing Director

May 2018 – Present

Externet — digital agency & hospitality

- Founded and grew a digital agency serving tens of clients across automotive, retail, and e-commerce, including dealership platforms (Audi, VW, Skoda, SEAT) and Polish retail chains (Chata Polska, Piotr i Paweł).
- Built custom applications such as a touch-screen kiosk parts-store app for VW, plus numerous online stores and web apps; later expanded into hospitality, launching and operating Kawiarnia Widok, Kudos Restaurant, and Bagiety in Poznań.

Earlier Software Roles

Full Stack Engineer — Cognizant (client: Boots)

Sep 2019 – Apr 2020

React / React Native Developer — SatisfactionScript

May 2019 – Sep 2019

Web Developer — Globe Group

Aug 2017 – Apr 2018

SKILLS

ML / AI: face & voice embeddings, vector search (Pinecone), ONNX inference, liveness & anti-spoofing, deepfake & AI-image detection, FastAPI, computer vision

Backend / Systems: Python, TypeScript (Node/ESM), Hono, event-driven architecture, REST API design, JWT/OAuth, webhook integrations

Infra / DevOps: Fly.io, Docker, Vercel, Turborepo monorepo, GitHub Actions CI/CD, automated releases, Azure / GCP

Data: Supabase / Postgres, schema migrations, Pinecone, Cloudflare R2, BigQuery

Frontend: React 19, Next.js 16, React Native / Expo, Tailwind, Zustand, MediaPipe

Integrations: Stripe, Meta Graph API, Microsoft 365 / Teams, Resend

LANGUAGES

Polish (native) · English (fluent) · German, Norwegian, Spanish (basic)