

Petr Kynčl

Full-Stack & Product Engineer / Founder of MationX

Prague · petr@mationx.com · +420 731 050 025
petrkyncl.com · linkedin.com/in/petrkyncl · github.com/petrkyncl



I build and run complete products on my own: a paid SaaS that automates real Android phones, with its own Kotlin runtime and a client fleet in production, plus 50+ custom automations since 2024. I work with AI coding agents and own architecture, security and operations myself.

150k+ lines of TypeScript & Kotlin in production	106 Android app releases shipped	100+ phones in a client fleet rollout	5.0 ★ 31 Fiverr orders	2nd / 80 Cursor Hackathon Prague
---	-------------------------------------	--	---------------------------	-------------------------------------

EXPERIENCE

- Aug 2025 – now**Founder & Engineer** MationX · solo: product, code, ops, clients mationx.com
 - Built **MationX Studio**, a paid SaaS for automating real Android phones: a React Flow builder with 130+ blocks whose flows compile to an AST run by my native Kotlin engine on the device.
 - Android client**: ~42k lines of Kotlin, 106 releases (Google Play + sideload). Per-device encrypted projects (RSA-OAEP + AES-GCM), exactly-once commands over Socket.IO/FCM, WebRTC remote control.
 - Fleet layer**: QR/PIN pairing, groups, shared access with roles, remote updates. A fleet client is rolling it out across 100+ phones, with pricing tiers up to 500.
 - Next.js 16 / Express 5 / PostgreSQL (55 models, ~300 routes), public REST API and an **MCP server** (47 tools, OAuth 2.1) for AI agents; Stripe billing, affiliates, passkey-protected admin.
 - Run production myself: realtime gateway split from the API so deploys never drop phones, zero-downtime deploys with rollback; cut a 90-device API response from 3.4 MB to under 100 KB.
- 2024 – now**Freelance Automation Developer** Fiverr → TaskerProjects.com → MationX
 - 50+ custom automations for clients worldwide: Android UI automation, WhatsApp workflows, mobile-money payments over USSD/SMS, backends for apps with no API. Scoped, priced, delivered and supported each one myself.
 - Worldsee** (Prague travel startup, 2024–25): Raspberry Pi office display system delivered to the CTO, with docs and support.

SELECTED PROJECTS

- Oct 2026**STITCH** self-improving Android agent, built solo overnight [code](#) [90 s demo](#)
 - Agents 0.0.7 hackathon, 10.5 hours through the night. When it can't do a task, it explores the app's accessibility tree, compiles the steps into a tested, versioned skill and exposes it as an MCP tool; sending or paying always waits for a human.
 - 11 skills across 7 apps; 52 of 55 reuses ran with zero AI calls, in 4–5 s. Kotlin, Node.js, Next.js.
- 2026 – now**Smart home platform** in daily use by my family, 24/7 on a Raspberry Pi 5
 - Next.js PWA wired straight to the hardware: 6 heating circuits with weather compensation and safety cutoffs, passkey door unlock (WebAuthn), 5 WebRTC cameras, live MQTT sensors, Ubiquiti PoE switch monitoring, a Python robot-vacuum bridge. Per-area permissions on all 80 API routes.
- Oct 2026**Recents** Bluetooth call-recorder prototype
 - Firmware in C for a Bluetooth chip (RTOS) that relays and records both sides of an iPhone ↔ AirPods call over HFP, with a takeover state machine for the headset handoff; reverse-engineered parts of Apple's AirPods control protocol.

Also built: Internát, a production-ready dormitory check-in system demoed to a dorm's staff (internat.cz) · Czech dictation on local Whisper, WER-benchmarked · tools.mationx.com

SKILLS

Languages	TypeScript, Kotlin, Python, C, SQL
Web	Next.js, React, Node.js, Express, Prisma, PostgreSQL
Android	Accessibility, Compose, WorkManager, Room, FCM, WebRTC
Infra	Linux VPS, nginx, PM2, Cloudflare, GitHub Actions
AI	Claude Code, MCP servers, LLM tool use and evals

EDUCATION & MORE

School	Smíchovská SPŠ, Prague — IT, enrolled
Status	Self-employed (IČO), full legal capacity
Languages	Czech (native), English (C1, fluent)
Open to	Part-time or contract work, Prague or remote