

# Petr Kynčl

Full-Stack & Product Engineer / Founder of MationX

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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+<br>lines of TypeScript & Kotlin in production | 106<br>Android app releases shipped | 100+<br>phones in a client fleet rollout | 5.0 ★<br>31 Fiverr orders |
|-----------------------------------------------------|-------------------------------------|------------------------------------------|---------------------------|

## 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.
  - Worlddee** (Prague travel startup, 2024–25): external development, working directly with the CTO.
  - YouTube** (@mationxcom, since 2024): English tutorials on Tasker and Android automation that bring in clients.

## 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; 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 |
| Award     | 2nd of 80, Cursor Hackathon Prague       |
| Languages | Czech (native), English (C1, fluent)     |
| Open to   | Part-time or contract, Prague or remote  |