

# Adam Ladachowski

Warsaw, Poland | Remote / Hybrid | EU Citizen

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Backend engineer with 20 years shipping production systems in Ruby and Rails. Built platforms across telecom, media, proptech, SaaS, and event ticketing — from sole-engineer greenfields to large-scale Rails monoliths. Currently designing and operating an AI development platform: agent orchestration, fine-tuning pipelines, model serving, and a semantic memory system.

## Experience

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### Senior Software Engineer

Jampack — Event ticketing & hotel packages for festivals (180K+ guests, 90 countries)

Jan 2023 – Present  
Remote

- Owned payment integration (Coinbase Commerce), insurance workflows, auth system, and cart recovery — recovery mechanism measurably reduced booking abandonment.
- Drove architectural decisions across the platform. Mentored junior engineers.
- **Stack:** Ruby, Rails, PostgreSQL, Redis, Sidekiq, AWS (EKS/Kubernetes, CodePipeline), Heroku, GitHub Actions.

### Senior Ruby Engineer

Marketer Technologies — Norwegian proptech, AI-powered marketing for 1/3 of Norway's residential market Remote

Aug 2021 – Jan 2023

- Led a 3-person Rails team within a 15-person polyglot group (Rails, Node, Python). Designed inter-service communication via RabbitMQ.
- Delivered Smartsale — a real estate sales platform with interactive Mapbox visualization and real-time pricing, now serving the Norwegian market.
- **Stack:** Ruby, Rails, PostgreSQL, GraphQL, RabbitMQ, Mapbox, OpenAPI, Elasticsearch.

### Senior Software Engineer

Roomzilla — Smart workplace management SaaS (Cambridge Innovation Center)

2016 – 2021  
Warsaw

- Joined as sole engineer. Rebuilt the application, drove Rails 5→6 migration, then hired and led the team (2 Rails, 1 Vue) that completed the platform refactor.
- Calendar sync across Google and Microsoft ecosystems, Stripe payments, interactive floorplan navigation.
- **Stack:** Ruby, Rails, PostgreSQL, Vue.js, Redis, Google Calendar API, MS Graph API, Stripe.

### Software Engineer

Cyfrowy Polsat — Largest digital TV platform in Central/Eastern Europe (3.5M+ subscribers)

2014 – 2016  
Warsaw

- Built Kantei — a centralized Heroku-like CD platform, eliminating ad-hoc deployment across 5 engineering teams.
- Optimized VOD page load with global lazy loading. Co-developed IP tracking system for unauthorized streaming detection.
- **Stack:** Ruby, Rails, PostgreSQL, MongoDB, Sidekiq, Docker, HAproxy, etcd, fluentd.

### Software Engineer / Team Lead

Comverga (mProfi) — Telecom SaaS, SMS/voice APIs with direct carrier integrations

2006 – 2014  
Warsaw

- Built and grew the engineering team from 3 to 6 over 8 years. Designed SMS APIs (REST, SFTP), IVR flows on Asterisk, carrier-grade gateways via Kannel, ISDN/SIP trunk integrations, billing system for an MVNO.
- **Stack:** Ruby, Rails, PHP, Perl, Bash, Asterisk, Kannel, PostgreSQL, MySQL.

# AI & Platform Engineering

Creator / Operator

MADCAT OS — Personal AI operating system (open development)

2025 – Present

- Designed and operate a multi-host AI platform: Rust core with NAPI bindings, TypeScript plugin system, cross-machine agent orchestration over WireGuard mesh (3 physical hosts). *Live demo available.*
- Built a semantic memory system (EEMS) — SQLite-backed engram store with embeddings, graph relationships, and bindings for Node, Python, and Ruby via FFI. 5 500+ memories in production.
- Curated training datasets (v2→v5) and ran LoRA fine-tuning on Qwen3.5-27B (H100/H200 on RunPod). Hermes tool-call format, custom chat templates, BF16 training, FP8 serving via vLLM.
- Built a voice synthesis pipeline with voice cloning (Chatterbox/Piper TTS), cart/voice registry, and a four-mode interaction architecture. *Live demo available.*
- Deployed a web chat application prototype at chat.saiden.dev — Python/FastAPI, Google OAuth, persona calibration, SSE streaming, TTS integration. *Live demo available.*
- Developed a working prototype of an iOS voice assistant app (Swift/SwiftUI) with push-to-talk, on-device STT, and LLM integration. *Demo available.*
- Built a native macOS chat application with on-device voice synthesis (NiceGUI + Chatterbox TTS). *Demo available.*
- Developed an opencode plugin with 25+ MCP tool modules including a multi-provider job search aggregator, headless browser automation, cross-host agent dispatch, and doctrine auto-injection.

## Skills

Core	Ruby (20 yrs), Rails, PostgreSQL, Redis, Sidekiq, REST/GraphQL APIs
Secondary	TypeScript, Python, JavaScript, Vue.js, React, FastAPI, Hotwire/Turbo
AI & ML	LLM fine-tuning (LoRA/Unsloth), vLLM serving, prompt engineering, RAG, embeddings, agent orches- tration, MCP/tool-use, evals
Data	PostgreSQL, MongoDB, Redis, Elasticsearch/OpenSearch, SQLite, MySQL
Infrastructure	Docker, Kubernetes (EKS), AWS (S3, SQS/SNS, RDS, CodePipeline), Heroku, GitHub Actions, Cloud- flare, WireGuard
Practices	RSpec, CI/CD, code review, system architecture, mentoring, remote-first collaboration

## Education & Other

1998 – 2000	Warsaw University of Technology (Politechnika Warszawska) — Faculty of Production Engineering, weapons systems specialization. Did not complete.
Languages	Polish (native), English (fluent, daily working language), German (basic), Russian (basic, reads Cyrillic).
Availability	B2B contract or employment. Remote preferred, hybrid possible. Immediate.