# Mikhail Kogan

**AI Agentic Engineer | Built Production MCP Server | Platform & CI/CD**

👤 **About me**

Agentic Developer transitioning from 10+ years in consumer product engineering. Built <u>CyberMem</u> — production **MCP (Model Context Protocol) server** orchestrating shared memory across AI agents (Claude, ChatGPT, Cursor, Perplexity). Combining software engineering rigor with cutting-edge agent orchestration expertise.

Proven track record: **scaled teams 1→13 engineers, cut CI/CD cycles 2 weeks→2 days, maintained 99.5–100% uptime**. Now focused on **AI agent infrastructure and multi-agent systems.**

## Experience

### ▼ CyberMem

**Open Source Project:** Production-grade MCP (Model Context Protocol) server solving AI agent context fragmentation. Enables **Claude Desktop, ChatGPT, Cursor, and Perplexity to share a single persistent memory**. Features **automated multi-platform deployment** (macOS, Linux, Raspberry Pi, Kubernetes), **real-time observability**, and Zero-Trust networking. <u>cybermem.dev</u> / <u>GitHub</u> / <u>NPM</u>

#### Creator & Lead Developer: 2025 — Present

- Designed MCP server used by **multiple LLM at once** (Claude, GPT, Gemini) for **shared long-term memory and tools orchestration,** solving the **"every conversation starts from scratch" problem** in LLM applications.
- **Implemented remote access policy, observability, and audit** for each operation **and each MCP client (Claude Desktop, Claude Code, Cursor, etc.) separately**.
- **Engineered** a custom TypeScript CLI and IaC engine that **automates complex multi-platform deployment** (Mac, Raspberry Pi, Kubernetes) **with a single command**.
- **Automated, published and maintained** an open-source monorepo, achieving seamless multi-platform deployments and **100% CI/CD automation** via GitHub Actions.
- Monorepo Architecture: Built using TypeScript + CLI template engine, **achieving 100% CI/CD automation** via GitHub Actions.
- **Zero-Trust Networking:** Implemented secure remote access and observability via Tailscale Funnel and Traefik SSL.
- Full observability stack: C**ustom monitoring dashboard** for real-time tracking of AI agent operations.
- E2E Reliability: Architected a **robust testing framework using Playwright** to ensure mission-critical stability.

### ▼ Centerya

A **CRM platform powered by AI**, designed for real estate agents in the US market.

📍 <u>Tel Aviv, Israel</u>

#### Founding Engineer & Mobile Infrastructure: 2024 — 2025

**Centerya iOS App:** <u>https://apple.co/3TuHEJB</u>. A mobile app for AI CRM with support of **VoIP calls** and **Siri Intents.**

- I**nfrastructure Ownership:** Implemented **real-time monitoring (Sentry), centralized logging, and automated alerting** to achieve more than 99% crash-free sessions.
- **Shipped** weekly feature updates via **CI/CD Best Practices** using Xcode Cloud pipelines.
- **Architected and solo-delivered** AI-powered CRM app.
- **Integrated** Twilio SDK for VoIP calls with **AI-driven summaries & property suggestions.**
- **Delivered** iOS app with SwiftUI + SwiftPM → modular, scalable, **optimized for caching & startup performance.**

### ▼ Tinkoff Bank

The **largest digital-only bank in Western Europe** operated in the Russian market.

📍 <u>Russia</u>

#### Team Lead — Dolyame iOS platform: 2021 — 2023

**Dolyame** — Russia's first BNPL (Buy Now, Pay Later) service. Comparable to Klarna (Europe) and Afterpay (US).

- Launched the BNPL iOS app as a solo developer → scaled to **1M+ downloads and 300K MAU** in the first year.
- Automated **JIRA analytics pipeline** (Python + ChatGPT + JIRA API) to identify **team bottlenecks, workload distribution, and capacity planning.**
- **Built & maintained** an SDK (XCFramework) for partner integrations, supporting multiple versions and configs.
- **Scaled** the iOS app & SDK team from 1 → 13 engineers across multiple squads — enabled **faster delivery** and **product experiments**.
- **Architected** and configured UI Testing Workflow, allowing QA team to **reduce regression time by 70%** by easily automating their test cases.
- **Scaled engineering team 1→13**, establishing CI/CD standards and code review processes to enable rapid product growth.
- Transitioned team from Git Flow → TBD with feature flagging, **cutting release preparation time 4d → 1d** and allowing product team to **seamlessly toggle any feature on prod**.
- Maintained **99.5–100% crash-free rates** and high release stability across the codebase.

#### iOS Developer — Traffic Fines: 2018 — 2021

**Traffic Fines App** — a platform enabling users to conveniently pay their fines.

- Refactored critical payment & fine lookup modules in a legacy hybrid app, ensuring 99.7% crash-free sessions for **5M+ users**.
- **Established robust testing infrastructure** (Unit, UI, Snapshot), achieving high coverage for financial transaction flows.

### ▼ GLOBUS Ltd.

📍 <u>Nizhniy Novgorod, Russia</u>

#### Junior iOS Developer: 2016 — 2017

- Developed several iOS apps, some achieving over 2K downloads.

## Education

**BSc in Computer Science & IT**, Nizhniy Novgorod State University: 2013 — 2017

## Details

🔗 <u>cybermem.dev</u>

📍 Tel Aviv, Israel

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## Skills

### Infrastructure & DevOps

- **GenAI & LLMs:** OpenAI / Anthropic APIs, embeddings, Model Context Protocol (MCP), multi-agent orchestration, OpenAI Whisper, Azure Speech Services
- **IaC:** Docker, Kubernetes, Helm, Ansible, Terraform basics, Traefik
- **Programming Languages:** TypeScript, Python, Bash
- **CI/CD:** GitLab CI, GitHub Actions, Xcode Cloud, Fastlane
- **Observability:** Prometheus, Grafana, Sentry, Firebase, Vector, Amplitude
- **Networking:** Tailscale, AWS, Zero-Trust Architecture

### Mobile & Platform

- Swift, SwiftUI, Modern Concurrency, SDK distribution (XCFramework)
- Architecture: Modular, DDD, Feature Flags, TBD flow
- Testing: Unit, Snapshot, E2E (Playwright, Pytest)

## Personal Projects

**Hearly** — Built real-time speech pipeline combining Azure Speech STT with Whisper for higher-quality transcription for 2+ languages simultaneously (SwiftUI + iOS). Available in <u>hearly.app</u>.

**SoundPulseButton** — open-source SwiftUI button component with haptic and audio feedback, featuring pulse and ripple animations.

Listed on <u>Swift Package Index</u> / <u>GitHub</u>; also used in Hearly.

## Languages

Russian (native), English (fluent)