# Adam Mischke

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**APPLIED AI ENGINEER**
Agents / Full-stack / iOS

I build agent systems and ship them: from client requirements through deployment, evaluation, and support. Founder of AM2, a software consultancy delivering AI infrastructure, web platforms, and iOS apps. 8+ years in production engineering, first engineering hire at two startups, and a Navy veteran (previously held Secret clearance).

## RECENT WORK

**AM2 LLC** / Founder & Software Consultant — Jan 2024 – Present

- **Teraflop / Agent Infrastructure:** Built sandboxed micro-VM workspaces that capture agent runs for evals and training, information-retrieval evals with per-category scorers, and agent trace capture and querying. Deployed a LiteLLM + Phoenix observability gateway; merged upstream LiteLLM contributions.
- **Teraflop / Autonomous Delivery:** Built a partner demo where an agent running on Platform9 Private Cloud Director hardware takes a real product ticket, implements it, and opens a pull request from one command in about five minutes.
- **Teraflop / Solutions Fabric:** Built real-time meeting transcription and analysis with Claude agents that attach to live transcripts and resolve references to tickets, code changes, and prior discussions. Next.js, Supabase, Deepgram, RTMP, FFmpeg, MCP.
- **Life-sciences client / Governed Authoring:** Built source-backed authoring with provenance checks, audience rules, review records, and release gates; extracted a reusable delivery engine for other clients.
- **Enterprise Integrations:** Help-desk MCP integration with ticket and screenshot retrieval; event-driven ShareFile-to-Azure backup with reconciliation, health monitoring, and deletion safeguards.
- **Science / Product Delivery:** Shipped the PulseReels SwiftUI video app with analytics and attribution; maintain Sorted's booking, calendar sync, Stripe payments, and refund-aware payouts.

## SHIPPED APPS

**Truffle** — CarPlay-first Plex music player, first commit to App Store in three days: true shuffle, seasonal mixes, loudness-leveled FLAC, stats, Siri / widgets, full accessibility audit. Open source.

**Earmark** — App Store audiobook player with NAS streaming, offline downloads, and CarPlay.
**Mango** — App Store manga / comic reader streaming archives over SMB with iCloud progress.
**SwiftBible** — SwiftUI Bible app with on-device AI, Apple Watch, and widgets.
**DocVault** — Internal AI workspace for research, ingestion, and billing, run by Claude / Codex agents.

## CAPABILITIES

**AI:** Claude Code, Codex, Claude API, MCP, agents, retrieval, evals, tracing, LiteLLM, Phoenix
**Engineering:** Python, TypeScript, Swift, SQL; Next.js, React, Django, SwiftUI, PostgreSQL, Supabase
**Platforms:** Linux, Docker, micro-VMs, AWS, GCP, Fly.io, Vercel, iOS, CarPlay, visionOS

## CAREER

**Ford** Senior Creative Technologist, 2023–24: BlueCruise prototypes across iOS, CarPlay, and Vision Pro, demoed at Ford's national dealer meeting.

**Open3** Senior Full-Stack, 2022: React / Django platform; 17,000+ verified users in three months.

**FunFunFun** First Engineering Hire, 2020–22: SwiftUI dating app and 8,000+ video pipeline.

**Coinmine** First Engineering Hire, 2018–20: MineOS Linux distribution updating 5,000+ devices.

**U.S. Navy** Fire Controlman (FC2), 2008–14: led eight sailors maintaining shipboard defense systems and networks.

**MTSU** B.S. Computer Science, Minor in Mathematics, 2018