



David Sheffer

Tech Lead & Full Stack Engineer

TypeScript · React · Angular · Node.js · Python · SQL
MCP · Agent orchestration · Local LLMs

BASED	Israel
EMAIL	dave.sheffer1@gmail.com
GITHUB	github.com/davesheffer
SITE	dashdev.vercel.app

PROFILE

Tech lead and full stack engineer. I own a production multi-tenant SaaS platform at YLM Solutions end to end, from SQL schema and Node.js services to Angular, React and Flutter clients, and I set the technical direction for the team that builds it.

I build the tooling that makes AI agents dependable in real codebases: Hunch, an open-source MCP server that gives coding agents a team's decision history; a multi-agent coding orchestrator; and experiments with local models, from llama.cpp inference to offline Whisper transcription.

The best systems I've shipped came from good arguments with good people, then writing the code that settled them.

SKILLS

Frontend	TypeScript, React, Next.js, Angular, Vue.js, Flutter, Tailwind CSS, PWA, RTL / Hebrew UI
Backend	Node.js, Express, Fastify, Python, C++, REST APIs, JWT auth, background workers, PDF and email pipelines
Data	SQL Server / Azure SQL, PostgreSQL, Prisma, Redis, SQLite, stored procedures, migrations, query tuning
AI & agents	MCP servers, multi-agent orchestration (Claude Code, Codex), llama.cpp, Whisper, BM25 hybrid search, LLM query expansion
Cloud & ops	Azure, Heroku, Docker, AWS S3, Firebase, GitHub Actions, backups and disaster recovery

EXPERIENCE

YLM Solutions Sep 2019 – Present · 7 yrs 1 mo
Yokne'am, Israel · Operations software for service businesses

Tech Lead & Full Stack Engineer

Hybrid · Angular · Node.js · Express · Azure SQL · Flutter

Own a production multi-tenant SaaS platform end to end, from schema to deployment. I make the architectural calls and write the code that backs them up.

- Led the full Angular migration of a live SPA with zero downtime.
- Build and run the Node.js / Express API on Azure SQL: JWT auth, stored procedures, migrations, query tuning, PDF generation and transactional email.
- Built a standalone notification service for scheduled push (Firebase) and email alerts, deployed and scaled separately from the API.
- Cut Azure and Heroku spend significantly while strengthening backups and disaster recovery.
- Building the platform's Flutter app for field workers on Android, iOS and web, at feature parity with the web app.
- Shipped dashboards, chat-driven reporting, an RTL Hebrew PWA, QR flows and maps.

Mar 2026 – Present

Frontend Developer

On-site · React · Vue.js · JavaScript

- Migrated company forms from RDLC to JavaScript forms in Vue.js with JSON data, charts and complex calculations.
- Designed, built and launched an app for phone or email sign-in with chat inside the system. Led it from concept to deployment.
- Built internal React tools that automate barcode and QR generation, data formatting and image optimization.

Aug 2023 – Apr 2026

Project Manager

- Turned customer requirements and work processes into system specs, and integrated technical data into company systems.
- Worked with the development team on bugs and new features, and led QA testing.

Sep 2019 – Aug 2023

dooble Jan 2018 – Sep 2019 · 1 yr 9 mos

Project Manager

- Ran WordPress projects from planning to launch across UX, design and development teams.

Earlier

Customer Support Engineer, אוטומציה החדשה · automated systems for the municipal sector Nov 2016 – Jan 2018

QA Engineer, Fundtech (now D+H), Ramat Gan · system, integration and acceptance tests; Eurobank release upgrades; 24/7 production helpdesk
2000 – 2003

OPEN SOURCE

Hunch · creator & maintainer

TypeScript · MCP SDK · Apache-2.0

Git-native engineering memory for AI coding agents, shipped as an MCP server and CLI on npm. It keeps agents from reintroducing decisions a team already rejected. It started as a solo project and now has outside contributors whose code I review and whose roadmap I shape with them.

hunchmemory.com github.com/davesheffer/hunch [npm @davesheffer/hunch](https://npmjs.org/package/@davesheffer/hunch)

Coding Orchestrator · creator

Python · Shell · MIT

An orchestrator and four subagent roles (scout, runner, builder, critic) for Claude Code and Codex. Bounded reading, commands and implementation go to cheaper models; design, judgment and verification stay with the orchestrator. Every agent reports its evidence and confidence, and risky changes get an adversarial review.

github.com/davesheffer/coding-orchestrator

adrkit · contributor

6 merged PRs · top outside contributor

Machine-readable architecture decision records (ADRs) with lint, CI and MCP.

➤ Added stale-marker warnings: code that cites a superseded, rejected or deprecated ADR is flagged, with the live successor suggested.

Merged pull requests adrkit.dev

Pull requests also submitted to litellm (proxy routing, dependency CVEs) and aider (cached-token cost accounting).

PROJECTS

LOCAL MODELS & AI

Local LLM inference research

C++ · CUDA · Metal · Python

A reproducible llama.cpp patch series exploring Qwen3 mixture-of-experts routing, with CPU, CUDA and Metal kernels.

Local Whisper Transcriber

React · Python · Whisper

Offline speech-to-text: a React front end over a Python server running Whisper on the local machine, with no API keys and no audio leaving the device.

Hybrid search lab

Python · BM25 · RRF

Catalog search research combining BM25 keyword retrieval, reciprocal rank fusion and LLM query expansion, with an evaluation harness and a demo server.

BACKEND & PLATFORMS

WhatsApp automation platform · lead developer

Next.js · Prisma · PostgreSQL · Redis · S3

Multi-tenant messaging automation with a separate worker process for WhatsApp sessions, Redis rate limiting and S3 media storage. Main author, with 384 commits.

PlanUp · business planning SaaS

Next.js · PostgreSQL · Prisma · Redis · Docker

Yearly planning for small businesses, with NextAuth sign-in, Redis caching, S3 uploads and a Docker Compose stack for Postgres, Redis and the web app.

Relay

TypeScript · Fastify · SQLite

Self-hosted bridge between WhatsApp and HTTP webhooks, with a REST API, SQLite storage and a control UI.

depsift

Node.js · zero dependencies

CLI that audits an npm dependency tree for install scripts, known CVEs and stale packages before npm install runs.