Taufik Bahri

AI Product Engineer | TypeScript, LLM agents, MCP, real-time apps

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SUMMARY

AI product engineer with 13 years shipping for the web. I build AI products end to end, from the interface to the agents behind it: an MCP server that lets Claude read platform data at a crypto market-making firm, and Orbit, a multi-tenant agent platform with 15+ model providers, approval steps for risky actions and about 350 concurrent streaming chats per worker. Before that I led a frontend team of up to 8 engineers at a Jakarta agency for nine years, and ran client discovery and solution design as a squad lead. I work spec-first with coding agents and review every diff. My working hours overlap with APAC and with the morning in Europe.

SKILLS

AI: OpenAI, Anthropic, Gemini and Bedrock APIs, Vercel AI SDK, MCP, RAG with pgvector, tool calling, agent workflows

Languages: TypeScript, JavaScript, Python, Go, SQL, Rust (working knowledge)

Frontend: React, Next.js, React Native (Expo), Vue, Nuxt, TanStack Query, Zustand, Tailwind CSS

Backend: Node.js (Hono, NestJS, Fastify), PostgreSQL, Drizzle, Redis, REST, WebSockets, FastAPI

Tooling: Docker, Kubernetes (Helm), OpenTelemetry, Cloudflare Workers, GitHub Actions, Vitest, Playwright

PROJECTS

Orbit, AI agent platform for teams

Personal product | 2026 | Private repository, not yet launched

- Multi-tenant app where teams set up AI agents with their own model keys, tools, knowledge and spending limits, then work with them in chat and on a shared task board.
- Supports 15+ model providers, MCP, code sandboxes, approval steps for risky actions, SSO and SCIM, audit logs and OpenTelemetry.
- Load test: about 350 concurrent streaming chats per worker process within the latency targets, with 94 ms (p95) added before the first token.
- Hono API and job worker, PostgreSQL with pgvector, React frontend, all in TypeScript.
- Built with Claude Code. I wrote the specs, architecture and coding standards, and reviewed the output.

TickerLab, Indonesian stock research dashboard

Personal project | 2026 | Live at tickerlab.opik.dev | Python, Cloudflare Workers

- Python scraper for about 60 IDX endpoints (prices since 2020, ownership since 2018) that loads into Cloudflare D1.
- Screener, watchlists and a strategy backtester; rules chosen on 2020-24, judged once on held-out 2025-26.

Open source apps and developer tools

Personal projects | 2026 | github.com/opikdev | MIT and Apache-2.0

- **Davis:** local-first desktop app for data analysis (Tauri, Rust, React, DuckDB). Opens Excel, CSV, Parquet, Postgres or MySQL, answers questions with an AI, and builds dashboards.
- **pik:** Go CLI that creates projects from seven agent-ready starter templates (Hono, Go and FastAPI APIs, MCP servers, a Mastra agent API), with signed releases on Homebrew, Scoop and npm.
- **Skills:** the coding, backend, UI, docs, git and review standards my agents follow, for Claude Code, Codex and Cursor.
- **Taffrail:** read-only Kubernetes console for live logs across many pods, in Rust on GPUI. In early development.

EXPERIENCE

Full-Stack Engineer

Quantifik (crypto market making) | Remote, part-time | Jul 2025 - Present

- Wrote an MCP server that lets Claude read platform data through the API gateway, and the internal docs for all seven repositories.
- Build and maintain the operator dashboard used to run trading strategies, hedges and manual orders (Next.js, TanStack Query, Zustand).
- Connected the dashboard to five Rust services over REST and WebSockets: live order books, order entry, strategy settings and PnL.
- Took over maintenance of the Rust services in 2026 when the backend engineer stepped back.

Founding Engineer

ARUS (pre-launch investing startup) | Remote, full-time | Jul 2026 - Aug 2026

- Joined two founders as the only engineer on a stock-discovery subscription app. The founders paused the project before launch.
- Built the Expo mobile app, three React web apps (admin, creator, affiliate) and the Hono and PostgreSQL API in two months.

Squad Lead

LOGIQUE, digital agency | Jakarta | Apr 2026 - Jun 2026

- Ran a squad of engineers and solution consultants, covering client discovery, solution design and proposals.

Frontend Team Lead

LOGIQUE, digital agency | Jakarta | Jul 2017 - Mar 2026

- Led a frontend team of up to 8 engineers across 100+ client websites and web apps in automotive, insurance, finance and e-commerce.
- Moved the team from WordPress and Laravel templates to React, Next.js, Vue and Nuxt.
- Wrote the company's frontend standards for performance, SEO, accessibility and security.
- Mentored 5 junior developers and interns, 2 of whom were promoted to senior. Took part in hiring and monthly reviews.
- Built the company's internal project management tool (Next.js, Supabase).

Senior Frontend Developer

AsiaQuest Indonesia | Jakarta | Apr 2017 - Jun 2017

Full-Stack Developer

PT Sinarmas Multifinance | Jakarta | Jun 2015 - Mar 2017

- Built and maintained internal web applications for a consumer finance company.

Freelance Web Developer

Self-employed | 2013 - 2015, occasional projects since

- Most recent: rebuilt posxgroup.com on Payload CMS (2026).

EDUCATION

Bachelor of Information Systems (S1), Universitas Gunadarma | 2013 | GPA 3.30

LANGUAGES

English (professional, C1) | Indonesian (native)