Stelios Mavro

Full-Stack Engineer - AI Integrations - Developer Tooling

Athens, Greece • **mavro.dev** • **stelios@mavro.dev** • **GitHub** • **LinkedIn**

5+ YEARS	**1.2K+** USERS	**3** PROJECTS	**10+** CONTRIBUTIONS

Summary

Full-stack engineer since 2020, specializing in AI integrations and developer tooling. Passionate about open-source, clean code, and creating seamless experiences that empower developers. Built MavroChat (ChatGPT clone for developers), created and sold high-impact Telegram trading bot (EzPump) serving 1.2K+ users, contributed to Nango (popular open-source developer tool), and delivered enterprise SaaS at scale. Turning complex ideas into elegant solutions.

Experience

Software Engineer
Nov 2025 - Present
at **Elastic**

Founder & Lead Software Engineer
Nov 2024 - Oct 2025
at **EzPump (Acquired by MicroPump)**

Founded and developed EzPump — an open-source ecosystem of trading bots for Solana, reaching 1.2K+ active users before being acquired by MicroPump. Continued post-acquisition to assist with system integration and feature expansion.

- Developed ezpump.fun — Telegram trading bot for Solana meme coins
- Generated simulated volume to boost token visibility on pump.fun
- Built Comment Bot for automated engagement on new token listings
- Created Token Bundler that executes token creation and first buy from multiple wallets at the same time
- Implemented anti-detection system with rotating proxies and randomized behavior
- Built active Twitter/X presence (https://x.com/EzPumpFun) for updates and community engagement
- Reached 1.2K+ active users through automation and community marketing
- Successfully acquired by MicroPump in June 2025; assisted with transition and continued feature development

`TypeScript` `NestJS` `Express` `MongoDB`

Software Engineer
Oct 2023 - Jun 2025
at **InstaShop** • Dubai, UAE

Contributed to the leading grocery delivery app in MENA, acquired by Delivery Hero ($360M). Operated in a fast-paced team of 60+ developers.

Integration Team
- Built APIs and endpoints for external partners
- Managed communication workflows for data exchange with Delivery Hero
- Ensured secure, scalable, real-time data flow (order events, system events)
- Integrated with existing Kafka architecture by developing new consumers and producers

Admin Dashboard Application

- Added new pages and features to existing codebase
- Implemented automation tools, scheduled jobs, data exports, email notifications
- Utilized worker queues for large-scale data processing tasks
- Maintained stability and performance while expanding internal tools

`Node.js` `Express` `NestJS` `Angular` `TypeScript` `MongoDB`

Software Engineer
Jun 2021 - May 2023

at **Mind Alliance** • **New Jersey, USA**

Built internal SaaS platforms for Fragomen, a leading U.S. law firm specializing in immigration law.

IAMS (Immigration Application Management System)

- Admins could create or configure templates, fields, rules etc.
- Implemented scalable state management using NgRx Store and Component Store
- Integrated WYSIWYG editors (Quill, TinyMCE) for rich-text content
- Implemented permission-based authentication and authorization systems
- Multi-user collaboration in real-time
- Configurable taxonomies like countries, topics, categories

Covid Travel App

- Interactive global map visualizing Covid restrictions
- Users could view quarantine rules by vaccination status
- Displayed case numbers and border closures per country

`NestJS` `Node.js` `Express` `Angular` `TypeScript` `MongoDB`

Contributions

Nango - Open Source Developer Tool

Contributed across multiple areas of Nango — a popular open-source platform for unified API integrations.

- Built full integration support for external provider (ClickSend), including syncs, actions, and configuration
- Deep-dived into distributed architecture: Kubernetes/Helm deployments, AWS ECS, Redis queues, ElasticSearch logging
- Proactively identified and solved user pain points from Slack discussions, often with PRs ready before issues were triaged
- Developed direct working relationship with CTO, providing solutions with user impact analysis and implementation strategies
- Contributed improvements across full stack: Dashboard (React), API (Express), infrastructure configs, and documentation
- Mastered advanced integration patterns: configuration-based syncs, event-based scripts, and enterprise deployment

Projects

MavroChat

A lightweight, open-source AI chat platform specifically designed for developers. Focuses on quick code reviews, debugging help, and focused development without the complexity of full codebase analysis.

- Built open-source AI chat platform optimized for focused developer workflows and quick code assistance
- Implemented real-time streaming responses with sub-50ms latency using Server-Sent Events
- Integrated multiple AI providers (OpenAI GPT-4o/3.5, Claude 3.5 Sonnet/Haiku) with seamless switching
- Designed extensible tool system with type-safe Zod schemas for custom developer functions

- Added sustainable rate limiting at the edge to maintain generous free tier while preventing abuse
- Implemented Bring Your Own Key (BYOK) feature with secure browser-based storage for unlimited usage

`Next.js 15` `TypeScript` `Generative AI` `Monorepo`

MavroDev

Open-source modern portfolio website featuring an AI-powered assistant that helps visitors learn about my experience through natural conversation. Built with MDX support and beautiful animations.

- Built a modern portfolio website showcasing projects, blog, and professional experience
- Integrated AI-powered portfolio assistant using OpenAI GPT-3.5 for natural conversation about my experience
- Implemented real-time streaming responses with intelligent context-aware tools for querying projects and skills
- Added Google Calendar integration allowing visitors to check availability and schedule meetings directly through AI chat
- Added rate limiting and comprehensive error handling for sustainable AI feature usage
- Implemented MDX-based blog system with syntax highlighting, reading time, and category filtering
- Created responsive design with dark/light theme support and smooth Framer Motion animations
- Integrated contact form with email sending functionality using Resend API
- Architected as part of a Turborepo monorepo with shared UI component library
- Set up CI/CD with GitHub Actions, conventional commits, and automated quality checks

`Next.js` `AI Integration` `MDX` `Monorepo`

Next.js Auth Template

Open-Source Google OAuth Starter Template For Developers

- Built and open-sourced a reusable starter template for full-stack apps using the newly released Next.js 13 (App Router)
- Provides built-in Google authentication, role-based access, and clean project structure
- Includes login/signup, protected routes, session management, and modern folder architecture
- Published on GitHub to help developers quickly bootstrap authenticated applications

`Next.js` `NextAuth.js`

Technical Skills

Frontend:	React 19, Next.js 15, Angular, TypeScript, Tailwind CSS 4, SCSS, Bootstrap, Framer Motion
Backend:	Node.js, NestJS, Express, REST APIs, GraphQL, WebSockets
Databases:	PostgreSQL, MongoDB, Mongoose, Redis, Prisma, ElasticSearch
Blockchain:	Solana Web3.js, SPL Token
AI/ML:	Generative AI, Vercel AI SDK, OpenAI API, Claude API, MCP Servers, Claude Code, Cursor, GitHub Copilot
DevOps & Tools:	Kubernetes, Docker, AWS ECS, Helm, CI/CD, GitHub Actions, Turborepo, Git
Libraries & Utilities:	Zod, Winston, lodash, date-fns, class-validator, class-transformer, axios, Puppeteer
Testing:	Unit Testing, End-to-End Testing, Integration Testing, Playwright, Jest, Vitest, Jasmine, Karma

Education

Vocational Diploma in Mechatronics
Oct 2015 - Aug 2020 • Grade: 18/20 • Nationally Certified

Studied a field that combines computer science, electrical engineering, and mechanical systems. Gained hands-on experience with embedded programming, circuit design, and automation, with real-world applications in robotics, smart devices, and industrial control systems.