Stelios Mavro

Full-Stack Engineer - AI Integrations - Developer Tooling

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

---

5+	**1.2K+**	**5+**	**10+**
Years	Users	Projects	OS PRs

Professional 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. Available for full-time, part-time, and freelance collaborations.

Experience

Technical Consultant
MicroPump

Jun 2025 - Present

Providing ongoing technical consultation and development services after the acquisition of my EzPump bot ecosystem. Working on scaling infrastructure and implementing new features.

Post-Acquisition Integration
- Extended the architecture of EzPump into a more scalable and modular system
- Developed advanced Token Bundler for pump.fun Solana program - creates tokens and executes first buy in same atomic transaction, ensuring creator gets first entry advantage
- Engineered multi-wallet coordination system that generates multiple wallets and orchestrates simultaneous token purchases within single transaction block
- Built one-click sell functionality enabling rapid token liquidation through atomic transaction execution
- Implemented anti-MEV protection and transaction priority optimization for reliable execution in high-traffic conditions
- Created automated wallet management system with secure key generation and transaction signing
- Ongoing enhancements focused on user growth, monetization features, and UX improvements
- Currently serving 3.6K+ active users

Tech: Node.js, Express, TypeScript, MongoDB

Software Engineer
InstaShop • Dubai, UAE

Oct 2023 - Jun 2025

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

Tech: Node.js, Express, NestJS, Angular, TypeScript, MongoDB

Full-Stack Software Engineer
Mind Alliance • New Jersey, USA

<div align="right">Jun 2021 - May 2023</div>

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

Tech: NestJS, Node.js, Express, Angular, TypeScript, MongoDB

Featured Projects

Successful Exits

Crypto Trading Bot Ecosystem
<div align="right">**1.2K+ users**</div>

Suite of Solana trading tools that gained 1.2K+ users

Acquired by MicroPump
- ezpump.fun - Telegram trading bot for Solana meme coins
- Generated simulated volume to boost token visibility on pump.fun
- Comment Bot - Automated engagement tool that posts contextual comments on new token listings
- Token Bundler - Creates tokens and executes first buy in same transaction
- Built anti-detection system with rotating proxies and randomized behavior
- Built active Twitter/X presence @EzPumpFun for updates and community engagement
- Reached 1.2K+ users through custom automation and community marketing

Stack: TypeScript, Solana Web3.js, MongoDB, NestJS

Open Source Impact

MavroChat

Open-Source AI-Powered Chat Platform for Developers
- 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

Stack: Next.js 15, TypeScript, Monorepo

Nango Contributions

Open Source Developer Tool Contributions
- 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

Stack: Express, Next.js, PostgreSQL, OAuth

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:	Vercel AI SDK, OpenAI API, Claude API, MCP server
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, dotenv
Testing:	Vitest, Jasmine, Karma, Angular CLI

Education

Vocational Education - Mechatronics Engineering
Oct 2015 - Aug 2020 • 18/20 (Certified by the National Organization for Certification of Qualifications)
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.