

# Benjamin Berta

## Senior AI Agent, Workflow Automation, and TypeScript Platform Engineer

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### PROFILE

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Senior AI agent and backend platform engineer with 7+ years of software experience and 2+ years focused on AI agents, RAG, tool-use systems, and agentic workflow automation. I build production-grade agent runtimes and TypeScript backends — and operate them: logging, tracing, retries, cost controls, queues, and admin tooling. Currently founder and lead engineer at Autonomous, building Auto (auto.fun).

Earlier, as one of the most active early contributors to elizaOS, I worked on agent orchestration, runtime behavior, MCP integrations, knowledge/RAG, and memory systems — ranked among the top of the project's open-source contributor leaderboard.

### EXPERIENCE

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#### Founder & Lead AI Engineer — Autonomous — Auto (auto.fun)

2026 - present

- Building Auto, an AI trading agent that executes trades across crypto, tokenized stocks, prediction markets, and DeFi from natural-language conversation.
- Designed and operate a production agent runtime: Convex realtime backend, React frontend, Privy-managed embedded wallets, and provider abstractions for swaps, bridges, perps, and market actions.
- Built multi-step execution workflows spanning intent parsing, wallet state, market data, protocol actions, transaction preparation, and result reporting.
- Coverage spans 12+ chains and 10+ DeFi protocols/venues (Hyperliquid, Polymarket, Aave, Morpho, CoW, Jupiter, Enso, Uniswap, Ox), with gas sponsorship on most chains.
- Hardened reliability: wallet identity, gas sponsorship, position reads, bridge-provider failover, stale-token recovery, and request fanout.
- Built backoffice tooling for users, conversations, message processing, scheduled tasks, agent state, logs, and wallet data.

TypeScript, Bun, Convex, React, Next.js, Privy, Redis, Vercel, multi-chain Solana/EVM

#### Early Core Engineer — elizaOS (Eliza Labs)

Jan 2025 - Apr 2026

- One of the most active contributors to elizaOS in its early days — a widely used open-source AI agent framework; ranked on the public contributor leaderboard as @0xbbjoker.
- Worked across the full agent stack: orchestration, plugin architecture, runtime behavior, entity/request context, CLI behavior, logging, and production safety fixes.
- Shipped public fixes credited in elizaOS releases, including CLI secret-leakage prevention and dev-watch rebuild-loop prevention.
- Built and maintained major plugin surfaces: MCP, Knowledge/RAG, Memory, web search, social/channel integrations, and onchain tooling.
- Improved plugin deployment modes, dynamic MCP tool actions, per-user MCP connections, batch embeddings, PDF parsing, long-term memory extraction, and adaptive context.

TypeScript, Bun, Node.js, elizaOS core, MCP SDK, Vite/React, RAG, memory systems, plugin architecture

#### AI Engineer — Orion (oriontaraban.ai)

B2B contract

- Delivered an end-to-end production AI coaching agent for a client — detailed in Selected work below.

## Software Engineer — Thentia

Oct 2023 - Nov 2024

- Backend engineer on a regulated SaaS platform, focused on Node.js service development and maintainability.
- Led backend work to refactor legacy PHP toward Node.js services, improving performance and long-term maintainability.
- Worked with Redis, caching, microservice boundaries, and production backend workflows in a compliance-heavy environment.

Node.js, TypeScript, Redis, microservices, SaaS backend engineering

## Software Engineer — Barrage

Nov 2020 - Oct 2023

- Built backend services across fintech and crypto-adjacent systems, focused on Node.js/TypeScript microservices and real-time data.
- Developed services for trading workflows, authentication, 2FA, KYC, crypto wallet services, notifications, and dashboard-facing APIs.
- Worked across backend and web surfaces using Node.js, Next.js, databases, external APIs, and production support.

Node.js, TypeScript, Next.js, microservices, fintech systems, realtime data

## SELECTED WORK

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**Orion — orientaraban.ai** . Production AI coaching agent that turns an expert's content library into a conversational coach. TypeScript content-to-skill pipeline, Convex state, Telegram/iMessage delivery, progressive memory, goal-lifecycle tracking, subscriptions, safety gating, and admin tooling — delivered end to end for the client.

**Auto — auto.fun, docs.auto.fun** . AI trading agent that executes trades across crypto, tokenized stocks, prediction markets, and DeFi from natural-language conversation — built and operated end to end across 12+ chains (full detail in Experience).

**elizaOS — open-source contributor — github.com/elizaOS/eliza, leaderboard** . One of the most active contributors to elizaOS in its early days — a widely used open-source AI agent framework. Contributions are public on the org monorepo and the contributor leaderboard.

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Node.js, Bun, Rust, Solidity

**AI / Agents:** Agent runtimes, multi-step workflows, LLM tool-use, MCP, RAG/knowledge, vector retrieval, memory systems, prompt pipelines, evals, guardrails

**Backend / Data:** Convex, Next.js APIs, Hono, PostgreSQL, Drizzle, Redis, Docker, queues, realtime subscriptions, REST/GraphQL

**Crypto / DeFi:** Solana, Anchor, EVM L2s, wallets, Privy, Hyperliquid, Polymarket, Jupiter, Enso, Aave, Morpho, CoW Swap, Raydium

**Frontend / Ops:** React, Next.js, Astro, Vite, Tailwind CSS, Vercel, CI/CD, type-checking, test automation

## EDUCATION & CREDENTIALS

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- Early core contributor — elizaOS
- Hedera Certified Developer — The Hashgraph Association (Jan 2023)
- M.Sc. & B.Sc., Electrical & Electronics Engineering — FERIT, Osijek
- Croatian (native) · English (professional working proficiency)