Ben Karamyan

Armenia / Remote · AI Generalist · AI Solutions Architect · Data & Automation Strategist
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Profile

Multidisciplinary professional with over 15 years of experience in developing and implementing technology solutions at the intersection of AI, automation, data analytics, e-commerce, and digital asset management. Deliver projects from concept to scale: from multi-agent AI systems with voice engines to algorithmic trading strategies and DeFi investment analysis.

Possess a unique combination of technical expertise, product thinking, and entrepreneurial experience, enabling rapid adaptation to new challenges and building effective business solutions.

Note: listed frameworks reflect my core production toolset, not an exhaustive list. As an AI Solutions Architect I evaluate, select, and orchestrate the right components—from LLMs to data pipelines and cloud services—to meet virtually any business or technical goal.

Work Experience

Founder / AI Systems Architect – Ecoshyft
Armenia | 2024 – Present

- Built multi-agent AI platform integrating voice and chat assistants
- Designed business process automation architecture in the energy sector
- Integrated voice engines and intelligent request routing

Founder / Quantitative Crypto Trader – Private Investment Track
Remote | 2016 – Present

- Developed proprietary algorithmic trading methodology with unique RR performance metrics
- Conducted structured data analysis, backtesting, visualization, and investment memo preparation
- Automated research processes using AI tools and scripts
- Analyzed DeFi protocols, assessing investment risks and potential
- Delivered predictive trading platform and hypothesis engine (data ingestion → backtests → live routing), including experiment tracking and golden-set validation."

CTO / Co-Founder – CryptoSuisse AG
Switzerland | 2018 – 2022

- Managed the company's investment and infrastructure divisions
- Forecasted crypto market trends, developed strategies, and managed risks
- Built mining farms and remotely managed monitoring platforms
- Company acquired by BitcoinSuisse in 2022

Founder / CEO – E-commerce Projects
Russia / EU | 2004 – 2017

- Launched and sold several successful B2B/B2C online projects
- Optimized marketing, logistics, and sales through analytics and automation
- Developed and implemented business process management systems

Key Competencies

Category	Skills
GenAI & ML Ops	LangChain, GPT-4/5(etc), FastAPI, ML-pipelines, embedding search (Qdrant), Azure OpenAI, custom prompt routing
AI Strategy & Governance	Multi-agent system architecture, explainability, traceability, data ownership
Data Infrastructure	Supabase (PostgreSQL), Redis, S3-like blob storage, CI/CD, Docker, GitHub Actions, implemented a CRM-agnostic integration layer (FastAPI + n8n), enabling seamless switch between HubSpot, Salesforce, and open-source CRMs; delivered end-to-end lead/case flows with OAuth2, webhooks, dedup, and audit.
Data Science & Analytics	Statistics, A/B testing, LTV/CAC, feature engineering, BI analytics
Voice AI & Conversational Agents	Azure TTS/STT, SSML, Asterisk (SIP/GoIP, Softphone), Rasa Core/NLU, Rasa train, n8n orchestration, phone integration
Cloud & DevOps	EC2/EIP/SSH, NGINX, Docker Compose, Cloudflare (DNS/WAF/IPv6/SSL), security monitoring
Technical leadership (no direct reports):	cross-functional orchestration (AI/infra/data), iterative delivery & short feedback loops, product alignment
IDE & Documentation (SoT)	SoT-driven documentation loop inside VS Code: TODO → DOING → DONE with quick-action move[x] (promote/demote items, keep history). Auto-stamping & templates: timestamp, version; ADR links; Markdown lint/format via pre-commit. Git-aligned notes flow (capture → triage → execute → archive), optional n8n hooks for issues & reminders.
Prompt Engineering & Evaluation	System/policy prompts, tool-calling schemas, few-shot & RAG-aware prompting, guardrails; test harness with golden sets & offline evaluation • Cloud & DevOps: AWS; CLI automation for cloud services (AWS/Cloudflare/Supabase) via bash/python scripts & repeatable runbooks

Languages

- Russian — Native
- Armenian — Native
- English — Adv/Int (r/w); self-built LangDrive RT translation + meeting assistant (s)

Advantages

- 360° understanding of the development cycle: from idea and data to production integration
- Experience across industries: fintech, energy, e-commerce, AI services
- Entrepreneurial background and successful exits
- Ability to quickly adapt and build functional, business-focused systems

Education

- **BSc in Thermal Engineering** — *institution/year on request*
- Additional: **AWS, Docker, ML/AI, Data Engineering, etc** — self-directed learning & projects