Venetsian Jakimov

AI Product Engineer · MCP Servers & Multi-Agent Systems · Full-Stack TypeScript / PHP / Python

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PROFILE

Engineer and founder with 20+ years of building and running production web platforms, now focused on putting AI agents to work safely on real business systems. In 2026 I designed and built **13 MCP servers (~360 tools)** that let AI assistants read and write live business data (invoicing, proposals, catalogues, content, hosting, ads), plus a self-hosted **multi-agent control plane** with model routing and fallback, long-term memory, evals and budgeted autonomous loops. I own the whole path: scoping, architecture, safety model, UI, deployment and operations.

CORE SKILLS

AI & agents	MCP server design (Streamable HTTP and stdio, JSON-RPC, OAuth 2.1 and hashed per-user tokens) · multi-agent orchestration and model routing with fallback (Claude, GPT/Codex, Gemini, DeepSeek, Grok, OpenRouter) · evals (deterministic checks, LLM-as-judge, golden-dataset regression, model bake-offs) · agent memory · SSE streaming, prompt caching · Claude Code subagents · local inference (llama.cpp, ComfyUI)
Safe AI writes	dry-run previews as rolled-back transactions · idempotency keys · row locks, stale-write guards · server-owned money math · database-enforced gates · approval queues, budgets, rate limits, audit logs
Languages	TypeScript, JavaScript (Node.js), PHP 8.3, Python, SQL
Frontend	React 19, Next.js 16, Vite, Tailwind CSS, React Native (Expo)
Backend & data	REST and JSON-RPC APIs, FastAPI, MariaDB/MySQL, SQLite, Stripe webhooks, Google Ads/Search Console APIs
Infrastructure	Linux (AlmaLinux, Debian), nginx, OpenLiteSpeed, AWS, Vercel, PowerDNS, WireGuard, CUDA/Colab GPUs
Quality	PHPStan/tsc gates in the AI coding loop, pytest, ruff/mypy, sandboxed E2E tests, security reviews

EXPERIENCE

Founder & Principal Engineer · DotCOM Services Ltd., Montana, Bulgaria — 2008 – present

Web and AI engineering company; I lead product, architecture and engineering, now mostly AI-native products.

- **AI Control Center**: built a self-hosted multi-agent platform with 6 Node.js MCP servers (~130 tools) and 12 registered agents using 9+ AI models. It has a 3-tier fallback cascade with circuit breakers, an 11-table memory graph with scheduled consolidation, and an eval layer (deterministic checks, LLM-as-judge, weekly golden-dataset regression). Event-driven autonomous loops run with budgets, entity locks, dead-letter queues and approval gates.
- **NextAI-SEM**: product owner and architect of an AI-powered e-commerce and search-marketing platform (PHP 8.3 API, React/TS admin, Next.js 16 storefront, FastAPI sales chat agent on Claude), running on client stores and sites. Its 53-tool MCP server lets AI assistants manage catalogues, content, leads and proposals with dry-run-by-default writes and a full audit trail.
- **MCP for business systems**: designed a reusable MCP endpoint pattern and shipped servers for the operations system of ICEBOX Mechanical, a US HVAC contractor (56 tools: invoicing, payments, AR aging, proposals, scheduling, timesheets, outreach), Global Kyokushin Budokai's multilingual site, our billing portal, our hosting platform and Google Ads. Server-side money math, idempotent payments, soft deletes, stale-write guards and send gates keep AI writes safe.
- **Marketing OS**: evidence-gated marketing system (41 MCP tools, 85 tables). Database triggers refuse any ad angle whose claim lacks dated supporting evidence, so neither an agent nor the UI can bypass the rule.
- **Generative media and local models**: integrated a local ComfyUI pipeline (11 workflow templates: video, image editing, music, colorization) into the agent platform's job queue, used for Vanilliart's catalogue renders. I also run open-weight LLMs locally with llama.cpp (CUDA): Qwen3, gpt-oss, Devstral, Mistral, Gemma.
- **Engineering standards for AI-written code**: PHPStan level 5 and tsc gates wired into Claude Code hooks across ~20 repositories, plus cost-based subagent routing and per-project analysis caches.
- **Also built**: Cars4Cars.eu, a vehicle-transport marketplace (three React back offices, Expo driver app); TaxiZ, a multi-carrier taxi dispatch platform (driver and passenger apps, OSRM routing); JETIS, a security-monitoring back office migrated from Delphi/MSSQL with a real-time alarm console; and the platform of MaiaHost, my web-hosting company.
- **Earlier**: 200+ custom PHP projects and 4,000+ WordPress/Joomla/Drupal sites maintained, plus SEO and Google Ads.

Web Development & Digital Marketing Consultant · HoverDream Ltd., Varna, Bulgaria — 2017 – present

- Built 20+ WooCommerce stores and ran geo-targeted Google Ads programs focused on return on ad spend.

IT Manager · International Creative Metal, Inc., New York, USA — 2003 – 2005

- Modernized IT infrastructure (centralized storage, remote work) and built the company's e-commerce site.

EDUCATION & LANGUAGES

B.Sc. Computer Science, American University in Bulgaria (2008), Outstanding Achievements in Computer Science award · Bulgarian (native), English (fluent)