

VITALI ZELIANKO

Founder & CEO @ VitoCV · AI Systems Architect · Senior Full-Stack Engineer

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PROFESSIONAL SUMMARY

Results-driven Technology Founder and Senior AI Systems Architect with extensive experience designing resilient production web applications, distributed asynchronous processing pipelines, and multi-model AI orchestration engines. Proven track record founding and scaling VitoCV (ResumeAI), architecting fault-tolerant failovers across frontier LLMs, and authoring developer toolkits. Passionate about clean TypeScript architectures, zero-trust database security (PostgreSQL RLS), and rigorous test automation.

CORE TECHNICAL COMPETENCIES

- AI & LLM Orchestration:** Multi-Provider Failover Cascades, Circuit Breakers, Exponential Backoff, Streaming Telemetry, Gemini API, OpenAI API, Mistral AI, Structured Output Validation (Zod)
- Frontend Architecture:** Next.js 15+ (App Router, Server Components, SSR/SSG/ISR), React 19, TypeScript, Tailwind CSS, State Management (Zustand), Framer Motion, Mobile (Capacitor Android)
- Backend & Distributed Systems:** Node.js, Express, Fastify, Redis, BullMQ Distributed Worker Queues, WebSockets, FFmpeg Media Transcoding, Tesseract OCR, Chunked Resumable File Streaming
- Databases & Cloud Infrastructure:** PostgreSQL, Supabase, Neon Tech Serverless, Row-Level Security (RLS), Vercel Edge Runtime, Cloudflare WAF, Bot Mitigation, Docker
- Testing & Engineering Quality:** Playwright (End-to-End Testing Suites), Vitest, Automated CI/CD Pipelines (GitHub Actions), 9-Language Build-Time Translation Verification

PROFESSIONAL EXPERIENCE & VENTURE LEADERSHIP

VitoCV (ResumeAI) | <https://vitocv.com> — European Union
Founder, CEO & Lead Systems Architect • 2024 – Present

- Architected and deployed production multilingual AI career platform serving 10,000+ candidate runs with 99.98% system availability.
- Engineered proprietary ATS algorithmic scoring engine comparing resume keyword density, section taxonomy, and layout compliance against job specifications.
- Implemented multi-provider AI fallback cascades (Google Gemini, Mistral AI, OpenAI) with circuit breakers and token expenditure telemetry, reducing API downtime to near zero.
- Designed dual-mode compilation engine producing pixel-perfect client-side previews and deterministic ATS-parsable document exports.
- Secured multi-tenant database infrastructure enforcing strict PostgreSQL Row-Level Security (RLS) and international GDPR compliance.
- Implemented automated build-time i18n key parity enforcement ensuring 100% dictionary integrity across 9 international languages.

Open Source Systems & Infrastructure Tools — Remote
Author & Lead Maintainer • 2023 – Present

- Author of next-ai-toolkit: Developed lightweight TypeScript library providing automated LLM failover cascades, circuit breaker state machines, exponential jitter backoff, and streaming token telemetry.
- Architected MegaConvert v2: Designed asynchronous distributed file transformation platform with containerized sandboxed FFmpeg workers and real-time WebSocket progress reporting.
- Engineered MegaTransfer: Built high-throughput file transmission platform featuring deterministic SHA-256 chunk hashing, automated resumable sessions, and direct stream disk buffering.

iStore Hardware Commerce & Mobile APK — Remote
Full-Stack Developer & Mobile Engineer • 2022 – 2023

- Developed responsive e-commerce storefront with reactive cart state synchronization, administrative inventory console, and transactional checkout.
- Packaged and distributed native Google Android APK container leveraging WebView bridges for cross-platform hardware browsing.

EDUCATION & PROFESSIONAL TRAINING

Communications Academy — European Union

SELECTED PUBLICATIONS, PRESS & MEDIA

- vc.ru: Author of architectural analysis "Optimizing Candidate Screening via AI Document Systems"
- Medium: "Engineering Resilient Multi-Provider LLM Cascades for High-Throughput SaaS"
- Verified Music Producer: Distributed electronic & cinematic catalog on Spotify, Apple Music, and Tidal