

VERONIKA KASHTANOVA

AI Engineer | Software Engineer

Ukraine | Remote, Open to Relocation

Socials: [GitHub](#) | [X \(Twitter\)](#) | [YouTube](#)

Portfolios: [Dev.to](#) | [Devpost](#) | [Google Dev Profile](#)

PROFESSIONAL SUMMARY

Proactive AI Engineer and Software Developer specializing in Generative AI, Multi-Agent Systems, and the Google Cloud ecosystem. Recognized for technical innovation as a **Multiple Hackathon Winner** and participant in exclusive programs like **Google for Startups** and **Adobe Express**. Passionate about bridging the gap between raw LLM capabilities and production-grade software using neuro-symbolic architectures.

TECHNICAL SKILLS

- **AI & Generative ML:** Google Gemini (Pro, Flash 1.5/2.0/2.5/3, Nano), Vertex AI, OpenAI (GPT-4o), Claude, Ollama (Local LLMs), Black Forest Labs (FLUX.1).
- **AI Concepts & Frameworks:** RAG (Retrieval-Augmented Generation), Multi-Agent Systems, Google ADK, Chrome Built-in AI, LangChain, Vercel AI SDK, Prompt Engineering, Computer Vision.
- **Languages:** Python (3.13+), Java (17/21/23 Core/OOP), JavaScript (ES6+), TypeScript, SQL.
- **Backend Ecosystem:** FastAPI, Flask, Spring Boot (Security, Data JPA, Hibernate), Node.js (Express), Kafka, Microservices, RESTful APIs.
- **Cloud & DevOps:** Google Cloud Platform (Cloud Run, Cloud Build, Secret Manager), Docker, Kubernetes (K8s), CI/CD (GitHub Actions), Linux.
- **Databases:** PostgreSQL, MongoDB, Redis, Firestore. **Vector DBs:** ChromaDB, Pinecone.
- **Frontend & Creative:** React.js (v19), Next.js, Tailwind CSS, Three.js (3D), Vite.
- **Platforms & Tools:** Git, Google Antigravity, Jira/Confluence API, Adobe Express API, NEAR Protocol (Web3), Postman.

KEY ACHIEVEMENTS & AWARDS

- **PANDA Hacks 2025 Winner:** Created "Castanea," a multi-agent platform using **Python ADK** and **Gemini**. Architected a central dispatcher system.
- **Google Maps Platform Awards Nominee:** "Celestine" project recognized as a Nominee in the 2025 Hackathon awards.
- **Google for Startups Cloud Program:** "Celestine" selected for the Start Tier program, validating business potential.

- **Microsoft Feedback Prize Winner:** Awarded at the "Accelerate App Development with GitHub Copilot" Hackathon.
- **Featured in Perplexity API Cookbook:** Recognized for "Valetudo AI," a science-backed medical assistant.
- **Google Open Source Contributor:** Merged PR #189 to **Google's adk-java**, unifying Javadoc across core classes.
- **PL_Genesis Hackathon Winner:** 1st Place in AI & Autonomous Infrastructure category with "XBot AI".
- **Chrome Built-in AI Contributor:** Early Preview Program participant providing critical feedback on experimental APIs.

WORK EXPERIENCE

AI Research Engineer & Founder | Independent R&D Nov 2024 – Present

Focused on building venture-backed AI products and autonomous agents. Combining rapid prototyping with rigorous engineering standards.

- **Celestine (High-Potential Startup):** Developing a multi-modal AI navigator for the Solar System.
 - *Business Validation:* Selected for the **Google for Startups Cloud Program (Start Tier)**, validating technical viability and market potential.
 - *Recognition:* Nominated for **Google Maps Platform Awards 2025**.
- **Source Persona:** Architected a voice-activated AI Digital Twin deployed on Google Cloud Run using **Gemini 3, Hybrid RAG**, and **Neural TTS**.
- **EthnoLens AI:** Developed an AI design tool successfully **published in the Adobe Express Ecosystem** after passing strict security and design reviews.
- **Stream Refinery:** Engineered a real-time **Kafka** data cleaning pipeline using LLMs for semantic filtering and data normalization.

Software Engineer / Backend Developer | Brand: "Web-DN" 2016 – Nov 2024

Operated as an independent full-stack consultant, evolving from web solutions to high-load enterprise architecture over a decade.

- **Java Enterprise Architecture (2021–2024):** Designed secure, scalable RESTful APIs using **Java 17/21** and **Spring Boot**. Migrated legacy monolithic systems to Microservices architecture using **Docker** and **Kubernetes**.
- **Cloud & DevOps:** Managed deployments on **Google Cloud Platform** (Cloud SQL, Cloud Run). Implemented CI/CD pipelines to automate testing and delivery.
- **Database Design:** Optimized complex schemas for PostgreSQL and MongoDB for high-throughput data systems.
- **Full Stack Web Development (2016–2021):** Started career delivering custom PHP/JS-based CRM systems and responsive web platforms. Optimized internal

processes for corporate clients and SMEs, later integrating Python for automation tasks.

EDUCATION

Master's Degree (Honors) | Management of Organizations and Administration

Ukrainian State University of Chemical Technology

Graduated with Distinction (Red Diploma).

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- **DeepLearning.AI (Coursera):** Machine Learning Bootcamp. Focused on neural networks, supervised learning, and AI model deployment.
- **Google Cloud Skills Boost (2022 – Present):** Completed "Generative AI Learning Path" and "Cloud Architecture" tracks. Gained hands-on experience with Vertex AI, Cloud Run, and Data Processing.
- **Oracle University (2024):** Java SE 17 Developer Course. Advanced training in modern Java features, concurrency, and preparation for 1Z0-829 certification.
- **JetBrains Academy (Hyperskill):** Graduate – Python Core & Java Backend Developer (Spring Boot track).
- **Cisco Networking Academy:** TechBridge: English for IT (C1 Level). Focused on technical communication for global teams.