

Albina Nikiforova

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Developer Relations Engineer and AI agent builder focused on agentic infrastructure, developer tooling, and making AI systems accessible to technical audiences. I'm also a speaker, technical content creator, and educator. I build things that help developers go from zero to working in minutes — SDKs, reference implementations, integrations, and the documentation that ties it all together.

Currently working at the intersection of AI agents and real-world deployment: building the infrastructure layer that lets AI agents transact, coordinate, and operate autonomously.

Employment

Masumi Network | April 2025 - Present

Lead DevRel / Software Engineer — building the infrastructure layer that lets AI agents transact, coordinate, and operate autonomously.

Developer Relations & Tooling

- Served as the primary technical interface between developers, product, and engineering — translating real developer needs into tooling, APIs, and documentation.
- Created and maintained the Masumi **Python** package (**pip**), providing robust abstractions and a developer-friendly API that reduced Time To First Success (TTFS) to single-digit minutes.
- Built an **n8n** integration enabling no-code/low-code workflows with Masumi for non-developer audiences.
- Authored and maintained developer documentation sites, significantly improving onboarding and discoverability.
- Designed end-to-end demos and example applications to accelerate developer onboarding.
- Produced technical tutorials and walkthrough videos; represented the company as a hackathon judge and mentor.
- Engaged directly with the developer community via Discord, GitHub, and Telegram.
- Led a small team including interns and working students as direct reports.

AI Agents Built

- **Nori** — a multi-channel DevRel agent for the Masumi ecosystem (Masumi, Sokosumi, Kodosumi, pip-masumi); handles developer integration questions, debugs issues, monitors live ecosystem metrics, runs semantic search across all Masumi documentation

and GitHub, and generates technical content (integration guides, API comparisons, ecosystem reports); runs across email, Twitter, Discord, Telegram, and GitHub.

- **Xavi** — an autonomous video production agent that runs a full 3-step AI pipeline solo: multi-camera sync and transcription (**faster-whisper**), silence and retake removal, color correction, branded **Remotion** animations (**React**), and final composition — no human touches a timeline.
- **MasumiForge** — an OpenClaw skill that scaffolds and deploys fully functional Masumi agents from a plain-language description, eliminating boilerplate entirely.
- **Google Trends Research Agent** — a live production agent on the Sokosumi marketplace demonstrating the full Masumi payment and execution lifecycle; serves as the primary reference implementation for the ecosystem.

Trezor | August 2024 - March 2025

Contributed to crypto assets management features such as send, swap and others in Trezor Suite - web and desktop application.

- Improved UI/UX by bringing more details for transparency and validation for security into user interactions with the interface, including:
 - Warning the user when they're trying to send to a smart contract address.
 - Converting the address to its checksummed version when it's appropriate.
 - Displaying the exact amount of fees needed to proceed with a token transaction.
 - Detailed overview of a multitoken (ERC-1155 type) transaction.
 - Advanced logic for bumping fee in case of multiple transactions pending, so that the user doesn't have to decide which transaction to bump first.
 - Added pages with account details, so that the user can learn about type (legacy, segwit etc.), derivation path and other details about their account, as well as displaying account type badges throughout the app, for the non-default account types, for example, if the account is migrated from Ledger
 - Re-made the part of send form responsible for choosing a token, introducing more user-friendly, transparent and informative UI.
 - Added information about owned tokens and staked assets to the portfolio overview.
- Created reusable components, such as a bundle of tokens icons, new Fees component and sub-components for selecting priority fee.
- Designed and implemented NFT section (ERC-721 and ERC-1155 type tokens) in Trezor Suite.
- Researched and implemented Ethereum-related features, including the upgrade to EIP-1559 (type 2 transactions) with priority fee support.
- Improved performance of the app by minimizing frequency of re-renders with improved useSelector hooks usage and eliminated bugs caused by wrong redux middleware usage.

- As an onboarding task I redesigned and changed the interface of an internal tool that is used for emulating a device, improving the experience of the tool daily used by tens of engineers.
- Created new and improved existing unit tests using Jest testing framework.
- Worked with **TypeScript, React, Next.js, Jest, Sentry, styled components**, and **Crowdin** to enhance application functionality and user experience.

Beyond development, I actively participated in marketing and educational initiatives:

- Assisted at setting up a vending machine that sold devices for Bitcoin.
- Represented Trezor at ETHMilan conference.
- Organized a screening of the "Vitalik: An Ethereum Story" documentary in the office, and led a follow-up discussion.
- Collaborated with local Ethereum community and organized a meetup in Trezor office, hosting a speaker from Ethereum Foundation.

Optimics | July 2023 - July 2024

- Led marketing experiments for a major automotive industry client, developing personalized pop-ups that adapted content based on user actions.
- Integrated Vertex AI Search and Conversation to enhance user engagement and implemented A/B tests for data-driven optimizations.
- Built and deployed solutions using **React.js, Node.js, ES6 modules, Python**, and **Google Cloud Platform**, while leveraging **Google Tag Manager, Adobe Target**, and **Azure DevOps** to streamline performance and deployment.

Plantee Innovations | April - May 2023 (Part-time)

- Developed a prototype web app of a system managing Smart Indoor Greenhouse control using **React** and **Next.js**.
- Assisted with the Shopify e-commerce platform, utilizing **Liquid** for customization, while also handling customer support and managing social media accounts.
- Featured as a model in a Kickstarter campaign [video ad](#) to promote the project.

Hobby/Side Projects

Think2Earn | 2024 - Ongoing

- Developed a prototype web application that integrates **BCI (Brain-Computer Interface)** technology for biometric data collection and incentivizes users to contribute their data for training an **AI model**. Users are rewarded on-chain through a **smart contract deployed on Linea**.

- Tech used: **Dynamic login widget** for user authentication, **The Graph** for querying the smart contract, and **Tailwind CSS** for styling. The app is deployed on **Vercel**, with **Python** handling specific data processing tasks and **Solidity** used to implement the smart contract.

LearnByTeaching.ai | Ongoing

- Study tool grounded in the Feynman technique and learning-by-teaching: explain topics to AI “students” that challenge and question you until concepts stick; active recall, flashcards, quizzes, and mind maps from your notes (PWA).

High Agency DevRel | Ongoing

- Developer relations practice focused on intentional developer journeys—bridging product and decentralized communities for Web3 (strategy, content, and hands-on programs).

GoFest | 2023

(Feel free to log in with Spotify and see what festivals it will find for you!)

- Built a web app with **React.js**, **Next.js**, and **Vercel** using **OpenStreetMaps** and **Spotify integration** in a small team of enthusiasts. The app fetches information about users’ favorite artists and provides a playful way to find festivals that will suit the user the best.

Casomira | 2022

- Built a web app with **Django**, **Vue.js** and **MySQL** to manage departures and landings at a small airport for gliders and ultralights.

Hackathons Participation

ETHGlobal Cannes | 2025

Project: POAPrivity — *Private POAPs with stealth addresses*

🏆 **Finalist** — ETHGlobal Cannes 2025 · **ENS — Most Creative Use Case (2nd place)**

- **Problem:** Default POAPs create a public on-chain link between an identity (e.g. ENS) and attendance at a place/time — a privacy and safety risk.
- **Solution (PPOAP):** Mint each POAP to a one-time stealth address so the chain only sees a transfer to a fresh, unlinkable account; the recipient alone can discover and control it (stealth meta-address + ERC-5564 announcements + viewing-key scan).
- **Setup & registry (ERC-6538):** User derives spending/viewing keys and registers a stealth meta-address in the public registry so issuers can resolve ENS → meta-address for lookup.

- **Mint (ERC-5564):** Issuer computes a unique stealth address from the meta-address and an ephemeral key, mints the ERC-721 via POAP APIs, and publishes an Announcement on the ERC-5564 announcer so the recipient can find the transfer.
- **Discovery:** Wallet scans Announcement events (view tag filters noise), derives the stealth private key from the spending key, and imports it to control the POAP — breaking the link to the public identity.
- **Stack:** Next.js, TypeScript, React, Tailwind CSS, TanStack Query; **Privy** for login and a stable public identity for registry flows; POAP Collectors & Minting APIs.
- **Passkeys (WebAuthn):** Biometric Passkeys sign a fixed message; HKDF with ERC-5564 salts derives spending/viewing keys and meta-address via **@noble/secp256k1** — keys derived on demand, not stored.

ETHGlobal Buenos Aires, Argentina | 2025

Project: [eepy cat](#) — *Proof of Sleep (privacy-first)*

🏆 **Curvegrid — Best use of MultiBaas**

- Privacy-first mobile app (Expo / React Native, Circom): gyroscope-based sleep scoring stays on-device; Groth16 ZK proofs attest “still enough to sleep” without revealing raw sensor data.
- On-chain verification via Curvegrid MultiBaas with Solidity contracts on Base; mechanism-design dashboard (Next.js, Google Genkit / Gemini) to simulate tokenomics and user archetypes.

EthGlobal Bangkok | November 2024

Project: [d/acc homomorphic](#)

🏆 **Won sponsor prize from Linea: \$1000**

- as described above in [Think2Earn](#)

Builder Monastery Ericeira, Portugal | October 2024

Project: [Think2Earn](#)

🏆 **Won a prize: \$200**

- as described above in [Think2Earn](#)

EthGlobal Brussels, Belgium | July 2024

Project: [SaveSquad](#)

- I integrated sponsors tech: resolving ENS, connecting login with Dynamic, linking to Blockscout.

- Built the frontend part of the app.

EthPrague | May 2024

Project: Smartrental

- Built the web app and integrated designs from Figma.

Education

Bachelor in Applied Ecology (Czech University of Life Sciences)

- Specialized in GIS, LiDAR technologies, and statistical analysis.
- Conducted bachelor's thesis research on vegetation changes in Krkonoše National Park, developing Canopy Height Models and analyzing vegetation characteristics in black grouse habitats.
- Utilized **LASTools**, **R**, and **ArcGIS Pro** to process **LiDAR** data and assess environmental changes over time.

Languages

- English (proficient)
- Czech (proficient)
- German (intermediate)
- Russian (native)