

Hi 🖐️ I'm Vasily Zubarev

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I'm a **software engineer** from Berlin 🇩🇪 with over **15 years** of experience. I specialize in web applications and services, mainly using **Python and Go** for the backend and **JS/TS** for the frontend. My strengths lie in **product thinking and strategizing**. I also have experience **managing engineering teams** and participating in product leadership.

👜 Experience

R&D Engineer @ [Anytype](#), Berlin



July 2024 – June 2025

- Conducted product+engineering research for a local-first decentralized note-taking app with end-to-end encryption.
- Prototyped [WebPublishing](#) system, community features, new widgets, decentralized chats, and notifications.

Team Lead @ [Parity Technologies](#), Berlin



Feb 2021 – July 2024

- Created and managed the Tooling team, which was responsible for various tools for [Polkadot](#) blockchain developers (mostly Python + TypeScript).
- Led the development of the [Polkadot Vault](#) (ex Parity Signer), using a secure Rust core and native iOS/Android UI's on Swift and Kotlin.
- Created [Polkadot Hub App](#) — internal event, meeting room and desk management system for offices in 3 countries and 300+ remote employees (React + Node.js).

Platform Developer @ [Anaconda](#), Berlin + USA (remote)



Nov 2019 – Feb 2021

- Delivered the first version of [Anaconda AI Platform](#) using Go, Python and Kafka.
- Developed a CVE vulnerability analysis system with automated security reports.
- Engineered an authorization system (SSO) with OAuth, JWTs, IAM, and Envoy-sidecars within a Kubernetes environment.

Software Engineer in Logistics @ [Delivery Hero](#), Berlin



2018 — 2019

- As part of the Logistics department, our team was responsible for dynamic pricing and delivery time prediction services.
- Using PostGIS and OpenStreetMaps, we did a lot of "magic" over geometry: isochrones, geohashes, routing algorithms, fast time estimations, etc.
- Managed all infrastructure as code using Kubernetes, Helm and Terraform. We had CI/CD for 45+ countries in 4 AWS regions.

Lead Backend Developer @ Sola.ai (aka. [Plag](#)), Vilnius



2014 — 2018

- Developed a micro-service backend for a geolocation based social network using Python, Asyncio, Websockets, PostgreSQL, RabbitMQ and various AWS services.
- Implemented a smart newsfeed recommendation algorithm, combining geolocation and NLP content analysis techniques.
- Survived the first Blockchain hype dealing with \$2.5 million ICO and a lot of fraud.
- Built a decentralized content delivery network using IPFS and DHT.

Developer and Researcher @ Sensee, Vilnius

2014 — 2016

- Built an asynchronous backend for 10,000+ simultaneous connections using Tornado and Websockets for a video communication app
- Implemented a peer-to-peer video and data transmission system using WebRTC
- Developed a fast real-time face detection algorithm using OpenCV (pre AI era)

Backend Developer @ We Heart Pics, Moscow

2012 — 2014

- Built the backend for an instagram-like social network on Python, MySQL, AWS
- Supported rapid growth to 2.5M users using scalable architecture
- [Open-sourced](#) its admin UI

Freelance Web Developer

2009 — 2012

Started as a full-stack web developer during my Uni, coding e-commerce websites and web-portals on PHP, Python and old-school CMS'es.

Education

Novosibirsk State Technical University

Master's Degree with honors




2008 - 2014

Conducted extensive research in the fields of **Natural Language Processing** and **Search Engines**, while working on my thesis about semantic text analysis algorithms. Ancestor of the modern LLM's :)

Personal info

Hobbies: traveling on my self-built VW camper, DIY'ing something at home, blogging about tech, playing with my HomeLab, archery.

Languages:

 English — C1  German — B1  Russian — native

Pet-projects on GitHub: [TaxHacker](#), [vas3k.club](#), [Infomate](#), [Pepic](#)

Some of my articles:

- [Computational Photography. From Selfies to Black Holes](#)
- [A Team. How to build awesome teams without bullshit](#)
- [Machine Learning for Everyone](#)
- [How Machines Predict The Weather For Us](#)
- [Machine Translation. From the Cold War to Deep Learning](#)