Hi 👋 I'm Vasily Zubarev

📧 me@vas3k.ru   🤖 github.com/vas3k   💼 linkedin.com/in/vas3k

I'm an engineer from Berlin 🇩🇪 with 10+ years of experience.

My whole career I've been a backend developer at various startups and mid-sized enterprises. My main languages are Python, Go and JavaScript (TypeScript), since I mostly do web projects.

In recent years, I've been trying my hand at managing teams. I'm more into coding, but modern IT projects just aren't possible without good integration of a lot of external parts and a good team, someone has to do it.

I love simplicity and believe that complex systems have always been created through evolution, not designed from scratch by some "mastermind".

🧰 TL;DR list of buzzwords

PYTHON · GO · POSTGRES · REDIS · AWS · KUBERNETES · TERRAFORM
HTML · JAVASCRIPT · CSS · REACT · VITE · DJANGO · DOCKER
SWAGGER · FASTAPI · ASYNCIO · GIT · GITHUB ACTIONS · PYCHARM
PROMETHEUS · GITLAB CI · JUPYTER · PANDAS · KAFKA · CONDA
HOMEASSISTANT · ELASTICSEARCH · OSM · RASPBERRY PI · STRIPE
ETHEREUM · LATEX

💼 My experience

Team Lead, Tooling + Signer @ Parity Technologies

Berlin, Germany

Feb 2021 – Present

Blockchain company building one of the top-10 biggest blockchains.

- We made a [Parity Signer,](#) secure air-gapped wallet for iOS and Android devices
- I've been doing resource planning, interviews and hiring, product owning, demos, code reviews, 1:1's and keeping my team motivated during tough times
- After releasing Signer, I switched to the Business Automation team to help automate processes within the company

Platform Developer @ Anaconda, Inc.

Berlin, Germany + Austin, TX, USA
Nov 2019 – Feb 2021

Popular data-science platform for Python community.

- Our small team of 3 people made [Team Edition](#) — hosted package repository for companies
- Took the lead in developing a CVE vulnerability analysis system for these packages
- Bootstrapped the [Anaconda Nucleus,](#) the SaaS platform for data scientists and "the next big thing" in Anaconda world
- Developed a stateless, trusted and decentralized authorization system for microservices on OAuth, JWTs, IAM and Envoy-sidecars in Kubernetes

Software Engineer in Logistics @ Delivery Hero SE

Berlin, Germany
Sep 2018 — Nov 2019

Food delivery company. I was in the Logistics department.

- Maintained and improved dynamic pricing and delivery time prediction services
- Finally immersed into the DevOps ideology. Managed infrastructure as code in kubernetes, helm and terraform. We had CI/CD pipelines for 40+ countries!
- Managed geometries and routing on PostGIS, OpenStreetMap and Shapely

Lead Backend Developer @ Sola.ai (aka. Plag)

Vilnius, Lithuania
2014 — 2018

Decentralized social network based on geolocation where people could earn coins on their content.

- Developed an asynchronous backend in Python, Asyncio, PostgreSQL, RabbitMQ, Redis and AWS
- Dealt with Blockchain hype and $2.5 million ICO (pretty intense!)
- Built a decentralized content delivery network using IPFS and DHT
- Implemented a smart newsfeed that heavily used geolocation and recommendation engine features
- We had a lot of problems with fraud and we were actively defending ourselves against it right on the air. Fun time!

Developer and Researcher @ Sensee

Vilnius, Lithuania

2014 — 2016

Real-time video communication app with AR features. We started it with the same team as the previous project.

- Designed and built an asynchronous backend for 10,000+ simultaneous connections using Tornado (popular async framework at the time) and Websockets (not so popular that time :D)
- Implemented a peer-to-peer video and data transmission system using WebRTC that dramatically saved costs for infrastructure
- Using OpenCV, I've developed a real-time object detection algorithm which was ported to iOS and Android by our C++ developers

Backend Developer @ We Heart Pics

Moscow, Russia [Remote]

2012 — 2014

Instagram-like social network with daily photo-challenges for 2M users.

- Inherited a monolithic API on Python, Django, MySQL, AWS and supported its development until the very end
- The project was changing often and its admin interface was constantly breaking down. So I've created an automatic admin generator called GodMode and [open-sourced it](#) later

Freelance Web Developer

Novosibirsk, Russia

2009 — 2012

Full-stack web development for food while studying in university.

🎓 Education

Novosibirsk State Technical University

Master's Degree with honours

2008 - 2014

Actively engaged in research on Natural Language Processing and Search Engines. Wrote a thesis: *Adaptive semantic text analysis algorithm for a formalised search query building.* In human language, I made a parser for turning normal text into a "tree-like" structure, which can be processed by a search engine. Like a heart for Siri or Alexa.

😜 Personal

Male, 31 y.o., originally from Siberia 🐻Russia. Moved to Lithuania in 2014, and to Berlin in 2018, where I am based today. Still love this crazy place.

Hobbies: travelling on my self-built VW bus, blogging about tech, mountain biking, archery

Languages:

🇬🇧 English — C1
🇩🇪 German — B1
🇷🇺 Russian — native

Pet-projects on GitHub: 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](#)