

Hi 🖐️ I'm Vasily Zubarev

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I am a backend developer from Berlin 🇩🇪

I adore technologies and building new things out of them. My startup background has given me a solid experience in designing systems from scratch and scale them, quickly adapting to the crazy world, thinking a few steps ahead, hiring and leading small teams if it's needed to get our things done.

I always try to keep up with the latest trends, but I prefer to build things as stupid as possible, because this is the only way they can evolve into something bigger.

🧰 My main buzzwords



🧰 Experience

Platform Developer @ Anaconda, Inc. — Berlin, Germany + Austin, TX, USA
Nov 2019 – Present



Well-known data-science platform.

- Our small team made [Team Edition](#) — hosted package repository for companies
- I took the lead in developing a CVE vulnerability analysis system for these packages
- Bootstrapped 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-sidecarsh in Kubernetes

Software Engineer in Logistics @ Delivery Hero SE — Berlin, Germany

Sep 2018 — Nov 2019



Food delivery company. Logistics department — the heart of everything!

- Participated in the development of delivery timing and pricing service
- Finally immersed into the DevOps ideology. Managed infrastructure as code in kubernetes, helm and terraform. We had CI and CD 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 Blockchain, IPFS and 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
- Managed a small team of developers at the period of company's growth
- 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 C++ developers, which I helped to interview and hire

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 continued 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 built a parser for turning text into a tree structure, which can be processed by a search engine. Like a heart for Siri or Alexa.

Personal info

Male, 29 y.o., originally from Siberia 🐻 Russia. Moved to Lithuania in 2014, and in 2018 to Berlin, where I am still today. Really love this crazy place.

Hobbies: taking photos, travelling, blogging, mountain biking and building my VW bus

Languages:

🇬🇧 English — C1

🇩🇪 German — B1

🇷🇺 Russian — native

Wish to learn Chinese or at least Spanish :)

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](#)