

Vitalii Popov

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Skills

Backend	Go, Python, C#, Java, JS, TS, PostgreSQL, ElasticSearch, MongoDB, Redis, Kafka, Selenium.
Frontend	JS, TS, React, Redux, Next.js, TailwindCSS, Webpack, Cypress.
Infrastructure	Docker, K8s/Kubernetes, Swagger, Prometheus, Grafana, CI/CD.
Organization	GitLab, GitHub, Git, Agile, Kanban, Scrum, Jira, Notion.

Work Experience

1 year, 09/2024 – now

Full-Stack Developer

Infineon Technologies AG — semiconductor manufacturing, Dresden, Germany

- Making backend and frontend for a new product – Parking Guidance System which saves 480,000€ to the company in comparison with market analogues.
- Embedded Computer Vision model on board device on C.
- Built a barrier control application used by 8,000 users, including 3,000 monthly active users (MAU).

Stack: Python Computer Vision, C#, C, JS/TS, React.

1 year, 08/2023 – 07/2024

Full-Stack Developer

onlineTours — travel aggregator for tours & hotels, Remote

- Developed business logic for **A/B testing** in SEO and UX, which increased key metrics by 11.63%.
- Support for old UI on React, Redux, and Ruby on Rails 7 with **Redis** based cache.
- Build new UI components with React, TS, tailwind, Jotai and Storybook, that are used since November 2023.
- Deployed Storybook using **Gitlab CI/CD** on **Docker & Kubernetes**.

Stack: JS/TS, React, Tailwind, Storybook, Jotai, Redux, Docker, Kubernetes, Redis, Ruby on Rails, CI/CD.

2 years, 07/2021 – 07/2023

Backend Developer

OZON Tech — enterprise e-commerce, Moscow, Russia

Contribution to 2 projects:

- **Go** microservice to search among 200 million items in warehouses within 5 seconds using **ElasticSearch**, **Kafka**-based entity retrieval, unit tests and load tests with mock values, monitoring with **Prometheus & Grafana**, queries tracing with **Jaeger**, deployment using **Docker & Kubernetes** and **Redis**.
- **C#** Integration of barcode scanner with **WebSockets** and its point update service with **PostgreSQL** that saved 86,000€ to the company and still used by the company.

Stack: Go, Kafka, ElasticSearch, Redis, PostgreSQL, Prometheus, Grafana, Jaeger, Docker, Kubernetes, WebSockets, C#

1 year, 05/2020 – 06/2021

Full-Stack Developer

WeDo.agency — business consulting and development, Remote

Development of 13 startups and projects:

- E-commerce bidder on **Python** for optimizing advertisements prices. Saves 52,000€ / year to the client.

- AI support for 5 shops on Shopify that handles 660 tickets monthly.
- AI video translation and dubbing. Programmatic SEO on **Next.js** for SERP that's brought the first 150 users. **Python** backend. Google Analytics on the frontend. Google Cloud Storage for the translated video.
- AI music generation plugin for chatGPT. AI app deployment, **Next.js** and **Firebase**. It generates track within 1 minute. Minio storage for the generated tracks.
- Blog and landing page using **GatsbyJS** and **GraphQL** for a building company with 17 objects.
- Typography website with **Redux** and **Firebase** with 4 order customization options.
- E-shop on **React** for resale clothes from Chinese marketplace Poison with 200 products.
- Admin app for gift service NCahoots, a Silicon Valley startup. Led the team of 3 developer, integrated **React** and shared the best practice within a team. Settled linter, formatter and husky to assure code quality.
- Real time dashboard on **Angular** for bundles of 30 subway batteries.
- Program to control employee's activity on **Angular** with 9 tracking options.
- Frontend on vanilla JS of demonstration of 2 neural networks training: MLP and RBF.
- Crypto mining project. Dashboard, landing page, online store with 150 game items on **React**.
- Online game Horsium with backend on **NestJS** and **MongoDB**.
- 3 telegram bots on **Python** aiogram, **PostgreSQL**. I built architecture, monitoring infrastructure and GitHub CI/CD pipeline utilizing **Docker** cache: app published withing 10 seconds. Stored images in **S3** storage **Minio**. **Redis** for auth tokens and user's state.

Stack: Python, Next.js, NestJS, Docker, React, Angular, MongoDB, Firebase, Redux, JS/TS, Redis, CI/CD, PostgreSQL

Education

10/2023 – 09/2025

Chemnitz University of Technology

Master's degree, Web Engineering / Chemnitz, Germany

Go, Redis, Mongo, Svelte, Cloud and web applications, software service engineering, databases, model-driven software development, distributed systems, analysis of software designs, cybersecurity, and strategic IT management. 2.39 GPA.

09/2019 – 06/2023

Higher School of Economics

Bachelor's degree, Software Engineering / Moscow, Russia

Java, Python, SQL, QA, IoT, algorithms and data structures, queuing theory, software architecture, databases, OS, programming, testing, analysis of requirements, project management, agile, Microsoft Azure Cloud, and advanced training in business informatics. 2.2 GPA.

Languages

- English (fluent)
- German (B1)
- Russian (native)

Extracurricular Activities

- Writing articles on IT topics, the last one about tech problems of startups on the path to enterprise garnered over 5k views across Habr, Dev, Medium and LinkedIn.
- Chess, riding bicycle, hiking, skiing, Lindy Hop dance and Historical European martial arts (HEMA).
- Mentored 4 developers in coding
- I translated React Redux docs on Russian