Yehor

SOFTWARE ENGINEER · WEB3 · RESEARCHER · SECURITY ENJOYER

Republic of Belarus, Minsk city

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"It starts with the first step."

Skills

Programming	Python, C, Golang, JS/TS, Node.JS, LaTeX, Rust, SQL
Technical frameworks keywords	• Aiohttp, FastAPI, SQLAlchemy • Django with Python, Express with Node.JS • HTML5, Pandas, QT, Nginx, Apache, VMProtect • FASM, Grafana, Prometheus, git, Docker • Podman, OCI, Kafka, RabbitMQ • Postgres, MySQL, ClickHouse, MongoDB • Web3: Ganache, Tuffle, Remix • IDE: Jupyter Notebook
Models, Domains keywords	• SOLID, Agile, Kanban, Mindmaps, Jira • CI CD, Smart-Contracts, Concurrency • WS, HTTP, Rest, RPC, Github Actions • Penetration Testing, Virtual Machines
Languages	Russian: Native, English: B2

Experience

Freelance   *Online*
SOFTWARE ENGINEER & SECURITY RESEARCHER   *2024 - 2024*

- While researching WIN32 api and Windows Defender mechanisms, I implemented my own hardware ID in pure C, which is not detected by any antivirus.

Freelance   *Online*
PYTHON SOFTWARE ENGINEER   *Dec. 2019 - 2021*

- This is the beginning of my career as a programmer. I developed scrappers for different platforms, created bots (Telegram, Discord, Bridged) and simple services.

Freelance   *Online*
SOFTWARE (WEB3, PYTHON) ENGINEER   *Dec. 2022 - 2022*

- Working for another startup, I was developing an analog of tradingview (collecting a huge stream of data from different exchanges using a parser) into kafka, and then running various strategies in containers (my devops then put k8s)

Freelance   *Online*
SOFTWARE (GO) ENGINEER   *Dec. 2022 - 2023*

- Working for myself, actively used Golang during this time. Especially embraced the use of microservices. Mostly rewrote old constructs from Python. Accelerated, checked metrics, redesigned tests, etc.

Freelance   *Online*
WEB3 (GO, JS, PYTHON, SOLIDITY) ENGINEER   *Dec. 2022 - 2023*

- Since that time, I have periodically taken on web3 development. I mostly wrote blockchain parsers, sometimes my own contracts, sometimes set up nodes, created arbitrage bots and studied economics.

Freelance   *Online*
JS SECURITY RESEARCHER   *Dec. 2021 - 2021*

- Interesting research. I bypassed AKAMAI's bot protection algorithms by accurately deobfuscating code and understanding what's under the hood. This allowed us to automate many services using this (very popular) strong protection.

Freelance   *Online*
JS/CLOUDFLARE SECURITY RESEARCHER   *Dec. 2021 - 2021*

- Another one of my researchs. I bypassed cloudflare's bot protection for WEBSOCKETS/HTTP requests, which allows us to automate culling from HUGE sites.

AIDLT BY *Republic of Belarus, Minsk*

Fullstack (Web3/Python) Backend Engineer *Nov. 2021 - Apr. 2022*

- While working for a startup, I did (later in a lead position) game development on a web3 platform. Also, creating bot bridges for different messengers.

Freelance *Online*

Backend Lead Engineer *2023 - 2024*

- During this period, I focused on a few particularly large projects where I took on a lead role.
- I brought up a large service for receiving sms from unstable providers, ensuring reliability and timeliness for the end user (95th percentile) by setting up the entire infrastructure myself. And then I wrote another service for this service, which also aggregates multiple providers and creates bot farms.
- Each project implemented its own hashing algorithms, queues, etc., and used Prometheus and Grafana metrics.

Education

VSU(Vitebsk State University) *Vitebsk, Republic of Belarus*

B.S. in Computer Science and Engineering *Sep. 2020 - Jan. 2022*

- Catched multiple internship in local companies

Courses

Yandex *Online*

Backend development *2021 - 2021*

Cryptohack *Online*

Cryptohack *2024 - 2024*

Tryhackme *Online*

Tryhackme Penetration Testing *2023 - 2024*

Epam *Online, Republic of Belarus*

Python development *Sep. 2021 - 2022*

Mixbytes *Online, Republic of Belarus*

Web3 Security Auditor *Sep. 2023 - 2023*

- Very glad I was able to participate in their closed course, it was one of the mind-changing in approaching software.

Yandex *Online*

Algorithms and Data Structures *2022 - 2022*

Extracurricular Activity

DatsOrange   *Online*

Game Hackathon   *2023.*

- Tough hackathon with math, physics and black box scheme. Formally everything is solved, but there are no prizes. During used numpy (Python), matrix transformation, color translations (rgb) and trajectory calculations to solve!

Leetcode   *Online*

Solving algorithms   *2023 - Present*

- I solve problems on Leetcode from time to time. I find it useful for developing intuition in pattern selection. More than once it helped to recreate an original solution in working projects!

Internet   *Online*

Information retrieval   -

- I keep up with new ideas, am active in threaded chats and have my own RSS feed. I also read a lot of literature on completely different sections, from LINUX device, OSI to ML, devops.

Writing

Personal blog on technical and philosophy problems   *Personal blog*

Founder & Writer   *2024 - PRESENT*

- My own research and thoughts