

Ilya Savitsky

Backend software engineer

📍 Manchester

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Skills

Technologies: Rust, C, C++, Go, SQL, OpenTofu

Languages: English (full working proficiency), Russian (native)

Work experience

🌐 Codethink

📍 Manchester, UK 📅 January 2024 - Present

Software Engineer

Rust, OpenTofu, k8s

- Developed a scalable high performance service used to mirror git objects, including LFS.
- Supported development of OpenTofu providers for internal usage.
- Helped maintain a complex infrastructure product managed with OpenTofu.

🌐 Moeco

📍 Remote 📅 June 2022 - January 2024

Embedded Software Engineer (Contract)

C, CMake, ESP-IDF

- Developed firmware in C for embedded devices on FreeRTOS using ESP-IDF framework.
- Identified and resolved issues in multithread code for enhanced performance and stability.
- Streamlined development process by maintaining GitHub Actions build and test pipelines.

🌐 Lomonosov Moscow State University

📍 Moscow, Russia 📅 February 2022 - January 2024

Research Software Developer

C++, Boost, Python, NumPy

- Conducted groundbreaking research in scheduling theory in collaboration with Huawei, leading to the development of innovative solutions
- Designed and implemented highly efficient greedy algorithm in modern C++ for schedule construction.
- Automated testing and deployment processes by creating Python scripts, resulting in significant time savings.

🌐 Diasoft

📍 Moscow, Russia 📅 June 2021 - September 2021

Summer internship, Software Development

Java, Spring, k8s

- Developed Java microservices and implemented unit testing for optimized code quality.
- Managed and monitored Kubernetes and IBM WebSphere environments to ensure smooth operation and availability.
- Executed basic DevOps tasks to streamline software development and deployment process.

Projects

[🔗 nothingverse](#) [🔗 Repo](#)

[ntfyer](#) [🔗 Repo](#)

Hackathons

- ETHGlobal Brussels. Hyperlane “Best Infrastructure” bounty [🔗 Repo](#) [🔗 Showcase](#) [📍](#) Brussels, Belgium
- ETHGlobal Paris. Third place at Axelar bounty [🔗 Repo](#) [🔗 Showcase](#) [📍](#) Paris, France
- Number.Zone 2022. First place. [🔗 Repo](#) [📍](#) Online
- Leaders of digital 2021. Third place. [🔗 Repo](#) [📍](#) Innopolis, Russia

Certifications

- SQL Course [🔗 Certificate](#) [📅](#) 16.09.2023

SQL Academy

- Professional technical translator qualification [📅](#) 15.05.2023

Lomonosov Moscow State University

Education

Lomonosov Moscow State University

Faculty of Computational Math and Cybernetics, Russia

Bachelor in applied math and informatics, Department of Computing Systems and Automation (GPA 4.4/5.0)

Publications

- Vasily V. Balashov, Valery A. Kostenko, Ilya A. Fedorenko, Ilya P. Savitsky, Chumin Sun, Jiexing Gao, Li Zhou, Jie Sun. Hybrid Algorithm for Multiprocessor Scheduling with Makespan Minimization and Constraint on Interprocessor Data Exchange, CoDIT 2023. [🔗 Link](#)