

Daniil Litvak – Senior Software Developer

📍 Vienna, Austria ✉️ llitvakdn@gmail.com ☎️ +4367764113560 🔗 <https://www.linkedin.com/in/litvak-daniil/>

SUMMARY

Algorithm expert and versatile software developer with 5 years' experience in embedded systems, data processing, and software development. Proficient in Python, C++, project management, and database optimization. Demonstrated strengths in performance enhancement and fostering client relationships through fluency in English, German, and Russian.

EXPERIENCE

Software Engineer – Part-time

Technische Universität Wien

January 2023 – July 2023, AT, Wien – Remote-Office

- Created software for tunneling with Python and Tryton, enhancing project management and data analysis.
- Optimized data storage and retrieval using PostgreSQL.
- Improved code quality with automated testing and continuous integration.

Researcher at Meta-data Project – Part-time

Technische Universität Wien

April 2022 – December 2022, AT, Wien

- Implemented RESTful APIs with Python and InvenioRDM, optimizing data management.
- Collaborated on innovative metadata management solutions, speeding up processing by 50%.
- Facilitated InvenioRDM adoption by providing technical support and user training.

Software Engineer

Embedded Solution BLR

July 2020 – March 2022, BY, Minsk – Remote-Office

- Enhanced Multidebugger Core efficiency with C++ and Python, streamlining debugging and reducing time by 40%.
- Improved workflow with TFS, Makefile, MinGW, and LLDB, enhancing code organization and version control.
- Fostered team communication through agile methodologies, such as stand-ups and retrospectives.

Software Developer

Freelance Consulting

September 2018 – April 2020, BY, Minsk – Remote-Office

- Developed embedded system solutions with C++ and Python, focusing on real-time data processing, boosting speed by 67%.
- Streamlined hardware design with Visual Studio and Altium Designer, enabling custom PCB layouts with 20% time reduction.
- Leveraged multilingual capabilities in English, German, and Russian to collaborate with international team members and clients, delivering high-quality software solutions and ensuring client satisfaction.

SKILLS

- **Programming languages:** Python, C++, Embedded Python
- **Tools:** Altium Designer, PyCharm, Visual Studio, Eclipse, Unity, Unreal Engine, Makefile, MinGW, LLDB
- **Version Control Systems:** Git, TFS
- **Project Management Tools:** JIRA, Confluence
- **Cloud technologies:** Microsoft Azure
- **Operating systems:** Windows, Linux
- **Networking technologies:** TCP/IP, VPN
- **CI/CD:** Docker, Jenkins
- **Languages:** English (fluent), German (fluent), Russian (fluent)

EDUCATION

Masterstudium Biomedical Engineering

Technische Universität Wien • Austria, Vienna • 2023

Bachelor Medical Electronics

Belarusian State University of Informatics and Radioelectronics • Belarus, Minsk • 2021

Applied Informatics Exchange Semester

Mittweida University of Applied Sciences • Germany, Mittweida • 2019