Vladislav Shcherbatov

C++ Developer

✉ vladislav.a.shcherbatov@gmail.com   ○ github.com/punkertron

📱 +381 62 114 6696 (Serbia)   ⊲ t.me/punkertron

C++ Developer seeking opportunities in backend or graphical (using Qt) development

Skills

- Programming Languages: C++ (98, 11, 17); C#; SQL (PL/SQL)
- Development Tools and Frameworks: Docker; Qt; Azure Pipelines; CMake; Make

Work Experience

ABBYY (One of the leaders in document recognition technologies) – Belgrade, Serbia

- Software developer ⟶ **Oct 2023 – Nov 2024**

- Created microservices to bring natural language processing (NLP) technologies to the cloud-based document processing platform called Vantage.
- Contributed to the release of the 2.4, 2.6, 3.0 versions of Vantage with over 30,000 lines of modified code.
- Used C++ (14) for integration with NLP technologies and C# (12) for interaction with backend services.

Bank DOM.RF (One of the largest banks in Russia) – Moscow, Russia

- Service developer ⟶ **Mar 2021 – May 2023**

- Led visual services development in the data management department. Created and curated data sources (ETL) utilized by many other departments.
- Independently developed numerous internal analytical services using Python, VBA, and Tableau, with one tool exceeding 10,000 uses.
- Created multiple PL/SQL scripts for data retrieval, calculations, and checks. Optimized existing SQL scripts, for one of them reducing daily risk-metrics calculation from 8 hours to 20 minutes.

Technical Projects

BitTorrent Client
- Developed a custom C++ library using multithreading for file downloads via the BitTorrent protocol.
- Created both a command-line version and a graphical interface using Qt.

File Storage service
- Implemented a REST API in C++ using the Crow for file storage, utilizing PostgreSQL and Docker.
- Developed user authentication, file upload and download requests, and file listing features.

STL Reimplementation in C++
- Reimplemented STL containers (vector, list, stack) and smart pointers.
- Developed comprehensive unit tests for validation using the doctest (C++) testing framework.

Education

Plekhanov Russian University of Economics
Bachelor in Finance, 2017-2021

School 42 (French programming school)
2021 - 2023