Bezmaslov Mark

Saint Petersburg | mark472013316@gmail.com | TG: @MarkBzm

Education

St. Petersburg State University (MCS), Master Degree «Software development and data science» — 2024 — 2026

St. Petersburg State University (AMCP), Bachelor Degree «Programming and Information Technology» — 2020 — 2024
- GPA: 4.548/5.0

Work Experience

Software Engineer | ITMO University — Oct 2024 – Present
- Developed an optimization module for the open-source project BlocksNet
- Designed the architecture for integrating the optimizer module.
- Established the development process and deployment of heuristic algorithms.
- Selected an appropriate optimization algorithm (Black-box) based on the analysis of publications, domain knowledge, and international competitions.
- Tools: Python, Optuna, layered architecture, GoF patterns, feature branching, UML, pandas, numpy, matplotlib, geopandas.

Software Engineer | Huawei — Oct 2023 – Jan 2025
- Developed an ETL architecture for a computation offloading system.
- Integrated an LLM inference scenario into the offloading system using llama.cpp and the stablelm2 model.
- Integrated offloading functions into an image compression application, improving system performance by 30%.
- Implemented a UI for manual application testing in Kotlin using the MVVM architectural pattern.
- Tools: Kotlin, Gradle, Jetpack Compose, MVVM, NDK; C++, CMake, gRPC, proto, spdlog, std thread, llama.cpp, guetzli; bash; GitLab;

Android Developer | Habilect — Oct 2023 – Dec 2023
- Developed the MVP version of the H.Doc application for the Android platform using Kotlin and Android SDK.
- Implemented an adaptive UI for different device types and screen sizes.
- Developed an XML parser for data processing and structuring.
- Tools used: Kotlin, XML, XML Schema Definition (XSD).

Internship TeamLead & DevOps | Sber — Sep 2022 – Jan 2023
- Developed and implemented CI pipelines in GitLab CI for BE, FE, and Crawler services.
- Configured orchestration in Kubernetes, ensuring deployment of Frontend, Backend + MongoDB, Crawler, and Nginx.
- Created and adapted Docker files for service containerization. Used docker-compose for local testing.
- Acted as Team Lead/Tech Lead: designed backend architecture, estimated Crawler workload, and trained the team on Git workflows and effective collaboration.
- Set up a custom GitLab Runner for CI pipeline execution.
- Tools used: Python, FastAPI, black, isort, mypy, flake; Docker, docker-compose, GitLab CI, GitLab Runner, Git flow, git submodule; k8s, helm, nginx, PVC, YandexCloud.
- Organized an informal team meeting with a mentor and the client.

Junior System Administrator | Info-Lan — Mar 2020 – Aug 2020

Personal Projects and Achievements

Publication of a Research Paper in an international journal

Ranked in the Top-10 Solutions of the "Call for Competition on Evolutionary Computation in the Energy Domain: Smart Grid Applications 2021".

Developed a Telegram Bot for Booking a Rehearsal Room in a Student Campus

- Developed a Telegram bot to automate the booking process for music rehearsal rooms.
- Implemented a synchronization system with Google Sheets as a database.
- Tools used: Python, Aiogram3, Telegram API, Google Sheets API, amvera.

Created a LaTeX Template for SPbU Theses, Compliant with GOST Standards and Internal Regulations

- The template was used by fellow students, helping them successfully submit their theses.

Certificates of Completion from Stepik:

- *"Introduction to Architecture. Elements of Operating Systems"*
- *"Interactive SQL Simulator"*

MLH LHD 2018 Hackathon Prize Winner (Developed a chatbot for VK)

Technologies

Programming Languages: Python, C++, Go, Kotlin, Bash, MATLAB.

Technologies: STL, CMake, Gradle, gRPC, protobuf, spdlog, FastAPI, Pandas, Numpy, PyTorch, Jetpack Compose, SQLite, Matplotlib, Poetry, gRPC, REST, PostgreSQL, Postman, K8s, Docker, VirtualBox, Git, MVC, MVVM, Clean Architecture, TDD, DDD, SOLID, OOP, DI, CQRS, UML.