Maksim Fatin

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PROFILE

Experience
2+ years

Positions of Interest
Go middle+ dev.
Go senior dev.

Locations (RU)
Moscow
St. Petersburg
Remote

SKILLS

Languages
Go
C++
Python

Databases
MongoDB
PosgreSQL

Services
S3
Kafka
Prometheus
Jaeger
Github CI
Docker

Testing
Testify
Google test
Pytest
Unit
Integration
E2E
Benchmarks

Other
Git
Ubuntu
MacOS
Russian (native)
English (B1)

ABOUT

I'm a programmer with over 2 years of experience in C++ development, looking to switch to Go. I'm excited about exploring Go's simplicity, efficiency, and concurrency features and eager to collaborate with like-minded developers on challenging projects.

I enjoy solving algorithmic problems and conducting interviews on algorithmic topics in my free time. I also regularly develop personal projects to enhance my coding skills and learn new technologies.

WORK EXPERIENCE

Yandex Cloud, MDS   **Aug.2022 — Present**
Backend developer (grade middle+)   C++, Go, Python

- Integrated image processing and user settings storage services with S3, streamlining custom watermark insertion and eliminating the need for releasing a new version for each watermark.
- Enhanced the calculation efficiency of image brightness under the watermark by 30% by reducing the area used for brightness calculation.
- Optimized the operation of changing the image colorspace by 8% through the introduction of caching in an external library.
- Increased the speed of tests for a custom image processing library by 2.5 times by implementing parallelization techniques.
- Successfully diagnosed and fixed test failures in the image processing service while updating an external library that involved over 40,000 lines of code.
- Added the capability of calculating SHA256 for original images to transfer data to Roskomnadzor.

Huawei, HPC   **Dec.2021 — Aug.2022**
R&D engineer   C++, Python

- Researched existing solutions for identifying critical paths in graphs, and developed an algorithm that enables the identification of a critical path with less than 15% overhead in overtime and 10% in runtime for most MPI applications. This contributed to the identification of optimization areas in a multithreaded programming.

PET PROJECTS

GoChat   **Oct.2022 — Present**

- Primary goal: gain proficiency in Go programming language and broaden tech experience via social network development. Collaborated with senior mentors from Ozon, Avito, Tinkoff to ensure project followed community coding and architecture standards. The project is currently under active development, and its results are available on GitHub.

PUBLICATIONS

- Root Causing MPI Workloads Imbalance Issues via Scalable MPI Critical Path Analysis. In book: Supercomputing (pp.501-521). Reference.

EDUCATION

HSE, Bachelor's Degree   **Sep.2019 — Present**
Software Engineering
GPA: 7.85