Vladislav Toigildin

Software Engineer

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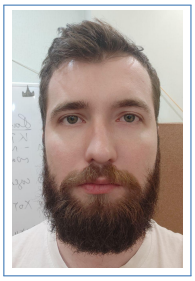

Looking for a backend developer position in a product team.

Experience

03.2021 – 03.2022 **Software Developer**, *Tinkoff*, Moscow
Development of a machine learning platform ML Core (golang, microservices).

- Designed and developed a microservice architecture since first product release.
- Fully responsible for a client application.
- Optimized CI/CD processes.

11.2016 – 01.2019 **Deep Learning Performance Engineer**, *NVIDIA*, Moscow
Development of a system for benchmarking DL (TensorFlow, PyTorch and etc) frameworks using GPUs.

- Redesigned a Deep Learning benchmark system that speeded a monthly test workflow up 5 times and increased reliability.
- I was a senior maintainer for monthly baselines performance data.
- Actively troubleshot issues on Linux production servers.
- Modified Perl codebase to Python, that improved maintainability.
- Migrated our system to cloud infrastracture.
- Developed DL benchmarks: preparing data and models, deploying, running, collecting data, uploading stats into databases.

06.2015 – 03.2016 **Software engineer**, *IBM*, Moscow
Development of a Linux driver (zfcp) for IBM z System (s390x) storage hardware.

- Developed a Linux driver for SCSI devices.
- Modified an internal disk perf analyze tool (C++ and Perl).

09.2014 – 08.2016 **Researcher**, *Research Computing Center MSU*, Moscow
Design and development of a parallel version of algorithm for genome blurred repeats search.

- Developed the parallel program using MPI and CUDA.

11.2013 – 10.2014 **Technician (Part Time)**, *Nuclear Safety Institute of the Russian Academy of Sciences*, Moscow
Development of a model of hydrodynamic process in liquids using CABARET scheme.

- Designed and implemented GUI (Qt).
- Added GPU computing support (Cuda)

Technical skills

Languages	Golang, Python, Perl, Bash, C, C++
CI/CD	Docker, Kubernetes, GitLab CI
OS	Linux
VCS	Git
SQL	PostgreSQL, Redis
HPC	MPI, Cuda, OpenMP
Others	Qt, LaTeX, Autotools

Education

2010 – 2015 **M.S. in Applied Mathematics and Computer Science**, Lomonosov Moscow State University, Moscow
Faculty of Computational Mathematics and Cybernetics

Awards

2014 **CUDA Center of Excellence MSU Grant**, Moscow
Won a grant for significant acceleration of computing for my research by using GPU.

Open Source Project

mpiSBARS Parallel program for recognition of extended inexact repeats in the genome. MPI+CUDA model is used for better scalability on heterogeneous high performance systems.