Maksim Kuznetcov

Software engineer (**Golang**, **Python**, **Ruby**) · Computer science teacher · Ex-compiler engineer

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Experience

Software Engineer, Jun 2021 – Present
Stripe (London)

Software Engineer, Mar 2021 – Jun 2021
OZON.ru (Moscow)

Software Engineer, Jan 2017 – Dec 2019
Yandex (Moscow)
- Designed, built, and maintained backend services for business and software development infrastructure (**REST API**, **Python**, **PostgreSQL**, **MongoDB**).
- Improved performance, stability, and observability of large-scale distributed systems.
- Collaborated with other teams to establish and improve integrations across software development tools and services.

Software Engineer Intern, Jun 2011 – Jun 2013
Intel Corporation (Moscow)
- Contributed to AVX-512 support in GCC (**C**, **x86 assembly**); the patches have been accepted to GCC 4.9 in 2014.
- Implemented an AVX-512 specific optimisation in GCC resulted in 1% improvement on SPECfp benchmark.

Teaching

Introduction to Algorithms, Jan 2017 – Jun 2020
Higher School of Economics (Moscow)
- Gave lectures and seminars; designed homework assignments; conducted exams.
- Built an online platform (**Golang**) with auto-graded programming assignments for students.

Computer Architecture, Oct 2015 – May 2016
University of Hertfordshire (Hatfield, UK)
- Gave supplemental lectures; designed homework assignments.

Education

University of Hertfordshire (UK), Jan 2014 – Jul 2016
MSc by Research, Computer Science.
- Thesis: *Data-Driven Self-Tuning in a Coordination Programming Language.*

Moscow Institute of Physics and Technology, Sep 2009 – Feb 2014
BSc, Applied Mathematics and Physics.
- Thesis: *On Element-Wise Predicates Support in GCC Autovectorisation.*