# Maksim Kuznetcov

Backend Software Engineer (**Golang**, **Python**) · Computer Science Teacher · Ex-Compiler Engineer

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## Experience

**Software Engineer**, Mar 2021 – Present
*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*.