

CV: // **Konstantin Nikitin** / Software%20Engineer

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Software engineer with 5 years experience writing production code, Masters degree in computer science, ACM ICPC background and great ambition to participate in challenging projects and to shape professional skills.

Experience

Oct. 2010 — Now: **Yandex**, Moscow.

— Yandex.Taxi, Backend, Senior Developer

Python, twisted, MongoDB, distributed fault-tolerant system

— Yandex.Browser, Core, then Rendering Engine, developer & team lead

C++, Code Review, **Blink** Architecture, merge-tolerant architecture, being up-to-date with web-standards, participation in mailing lists

— Yandex Data Factory, Infrastructure, Developer

Python, Java, HBase, Hadoop, **YARN**, Docker

— Yandex.Search, Infrastructure, Developer

Python, PostgreSQL, Django, AngularJS, Bootstrap

The most valuable achievements from my point of view are:

Crash-server for Browser

Adjusted existing open source solution to work within our infrastructure; bug-reporting, pull-requesting to upstream. Implemented bridges to our monitoring infrastructure, etc. Created tools for working with HBase, Hadoop. Patched minidump stackwalker and breakpoint.

Taxi

Extremely accurate code reviews for searching races and potential faults / difficult-to-scale solutions. Gathering, analyzing problems and logs. Performing some experiments with driver rank formulae (iPython notebooks, pandas, sk-learn, MapReduce). Profiling (cProfile, kCacheGrind). Working hard in extremely enthusiastic, start-up like team.

Education

2005 — 2011, Moscow Aviation Institute, avg. grade 4.9. Graduation work: "Solving PDEs with a help of Radial Basis Functions".

2013, School of Data Analysis, attended courses: C++, Algorithms, Machine learning.

Other

— Founder of a "F# for learning" blog, with examples of solving typical students problems using F# and Azure [<http://robotics.icstweb.org/fs4learning/>, closed by now].

— Speaker: "Big Data", conference for students, Moscow 2013;
"BlinkOn 3", Mountain View 2014.

— Core contributor to open source project <https://github.com/anaderi/skygrid/>
(core infrastructure for massive high-parallel computations),
participation in other CERN projects for big data processing.

— Areas of interests: Machine Learning, Software Security, Internet of Things, Web Standards.

— Have a couple of patents for technologies invented for the browser.