

Sergey Trofimov, Software Engineer
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Summary: 2006-2010 perl webdev, 2010-present java webdev. I know java, kotlin, python, perl. Linux user since 2001, can do DevOps but nothing fancy. In Java I've worked mostly with Spring and Hibernate and now I prefer smaller hand-picked libraries. I like to “grok” things, follow best practices and try to keep things simple. I can work autonomously but it's important for me to have like-minded colleagues for technical discussions. I think that readability of code is really important so I strive for clean code and thorough documentation. I have a BSc in Software Engineering and have EU Blue Card residence permit.

Work experience

Expert Software Engineer at Auto1 07/2019 - present Stack: java8, spring5, aws, consul, postgresql, redis	Europe's leading online B2B marketplace for used cars. I am working in the Core Team which focuses on the internal software ecosystem. We do company-wide refactorings, support common libraries and provide other teams with tools to increase their productivity. <ul style="list-style-type: none">- Promoted after 6 months because of outstanding performance- Created tools to mitigate migration of ~300 java APIs to OpenAPI- Reduced AWS costs by investigating spring-boot apps startup time and memory consumption and finding a way to lower it- Streamlined migration to spring5/spring-boot 2.x by a complex overhaul of dependency tree and refactoring common libraries
Senior Kotlin Developer at HortiCloud 05/2018 - 06/2019 Stack: kotlin, ebean, hk2, aws kinesis/ebs/redshift/rds/s3, jetty, terraform, reactjs, clickhouse, postgresql, letsencrypt	Startup in the agricultural industry that builds a complex SaaS for greenhouses. An agent installed on a greenhouse climate computer sends vast amounts of raw climate metrics to the cloud where the data is being processed and rendered in a beautiful modern dashboard. We had set strict SLAs and enforcing them was a challenge. <ul style="list-style-type: none">- Implemented a system for unattended upgrades of our software installed on customer climate computers- Created admin interface (reactjs) and automated routine customer supporting tasks- Halved AWS costs for development environments by replacing AWS SSL certs with LetsEncrypt- Sped up graph plotting by replacing Redshift with Clickhouse- Brought in Terraform to describe and maintain AWS infrastructure
Development Lead at [SRG] 02/2015 - 05/2018 Stack: java8, spring4, spring-boot, thymeleaf, nginx, puppet, jetty, tomcat7, grafana, zabbix, jenkins, mysql, redis	Company makes estimations of real-estate properties for banks by means of ML. I started as a senior and gradually gained more roles and ended up being responsible for all technology in the company. I worked on SOAP/REST services, developed several web apps, scraped and cleaned lots of data for ML, tuned and enhanced ML algorithms, did DevOps and hiring interviews (~40). <ul style="list-style-type: none">- Migrated company to infrastructure-as-a-code (puppet)- Implemented monitoring and alerting (zabbix)- Significantly reduced time for a daily data scrape by redesigning the scraping robot from scratch- Made process of gathering data predictable and measurable by introducing metrics collection and analysis (grafana, statsd)

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Work experience, continued

Senior Software Engineer at TezTour 09/2011 - 02/2015 Stack: java7, maven, jenkins, oracle+pl/sql, spring, hibernate, jquery, gwt, jsp	One of the biggest tour operators in Russia. I was the main developer of a CRM system for travel agencies. Also with the help of business analytic I designed and implemented a B2C solution for direct tour sales from the company website. <ul style="list-style-type: none">- Reduced codebase 3 times by upgrading gwt from 1.6 to 2.4- Reduced boilerplate code by introducing spring annotations and lombok- Introduced CI in the company (jenkins)- Introduced automated Selenium testing- Optimized PDF generation and reduced file size from 1mb to 100kb
Junior Java Developer at John Wiley and Sons 11/2010 - 08/2011 Stack: ejb, jsf, marklogic	Wiley is a well-known book publisher and they had IT department in my city. After several months sabbatical I've decided to pivot my career from Perl to Java and got into the company. As a junior java developer I've closed a lot of long-standing bug reports.
Software Developer at Yandex 01/2008 - 02/2010 Stack: perl, mapreduce, amcharts	Yandex is a russian Google. The company is built around search and is hugely popular in Russia. I was working in the statistics department. Our team was developing an internal analytics platform akin Google Analytics, which used access logs as a source. I had to work with terabyte sized databases and to write effective SQL aggregating queries. My main duty was to implement statistical reports that were requested by other teams and used for A/B testing or KPI measurements. <ul style="list-style-type: none">- Improved UX for working with data by replacing statically generated graphs by interactive charting engine
Software Developer at Rambler&Co 06/2006 - 12/2007 Stack: Perl, SQL, HTML, CSS, Postgresql	Rambler is one of the oldest russian IT companies. Started as a search engine now it's a big media holding that operates multiple websites. I was working on Rambler's early social network "Planeta". Despite it wasn't that popular - the website received enough traffic so that performance started to matter. Here I learned about caches and their invalidation, database replication, scheduled backups, SQL query optimization. And obviously lots of HTML/CSS. <ul style="list-style-type: none">- Designed and implemented SMS voting system

Education

2004-2009 Moscow State Technical University
Engineer of Metalworking Machines

2016-2019 Moscow State Institute of Radio Engineering, Electronics and Automation
BSc in Computer Software Engineering

Constantly educate myself with various online courses and side projects.