

Mikhail Solodovnikov

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EDUCATION

- **Perm State University** Perm, Russia
Not Finished. Sep. 2013 – Jun. 2015
Master of Science, Finance and Information Technology.
Research bubbles on financial markets using LPPL-models
and systemic risks in Europe Banking System. CFA Institute Research Challenge 2014 participant.
- **Perm State University** Perm, Russia
Graduated at Jul. 2012
Specialized in Computational Fluid Dynamics.
Research convection of liquid ternary mixtures in connected channels.

EXPERIENCE

- **Nebulytics** Moscow, Russia
Full Stack Software Developer May 2015 – Sep. 2016
 - **Platform Development:** Participate in development core features for proprietary SaaS platform. Architecture and develop solution for server (using Java/Groovy/Grails/Python stack of technologies as a base for server side components), client (javascript/jQuery/Bootstrap) and database (mariaDB/MySQL/Percona and proprietary MySQL framework written on C++ macros in version one and Lisp in version two) side of the platform.
 - **Consulting:** Develop solutions for company customers, using Nebulytics platform.
 - **DevOps:** Tuning nginx load balancer. Config the Elasticsearch/Logstash/Kibana stack for server performance monitoring. Write scripts for serving existing code (bash, Perl).
- **JSC Prognoz, Center solutions for financial markets** Perm, Russia
Software Engineer Aug. 2014 – May 2015
 - **R&D:** Research fraud activity on the Moscow Stock Exchange. Develop models which allow regulator (Bank of Russia) investigate money laundering, insider trading, etc.
 - **Software Development:** Integrate a created models into existing stock exchange monitoring application (Delphi/PL/SQL/Oracle Database). Develop the tool for connecting to Moscow Stock Exchange and receiving transactions data using FIX/FAST protocol (C++).
- **JSC Prognoz, Direction of international development** Perm, Russia
QA Engineer May 2013 – Aug. 2014
 - **Quality Assurance:** Testing mobile, web and desktop applications, application backends and REST/SOAP services. Coordination of development teams.
- **Scientific Industrial Instrument Making Company, R&D Department** Perm, Russia
Research Engineer Oct. 2011 – May 2013
 - **Measurements automatisation:** Create test stands for fiber laser, fiber angular velocity sensors and integrated optical modulators, which allow automatically measure optical characteristics using a stack of devices such as optical spectrum analyzers, power meters, optical switches, thermal boxes. Write software to manipulating it using PC and report generation (LabView, C#).
 - **R&D:** Participate in application research of fiber lasers for sources of light for fiber optic gyroscope, markers for a metal, and fiber optic amplifiers for telecom purposes. Research its behavior in a wide range of temperature conditions and under vibrations.
Application research a behavior of sensors under conditions of temperature changes. Theoretical study of noises in sensors with spectral methods.
- **Perm State University** Perm, Russia
Assistant of Physics Department Oct. 2011 – Feb. 2012
 - **Assistance:** Demonstration of physics experiments.
- **Self Employed**
IT Consultant Sep. 2016 – present
 - **Consulting in IT:** Web-services development (micro services with Django/Django REST, Angular JS, mobile apps with Ionic).

PROGRAMMING SKILLS

- **Languages:** Python, Groovy, Java, Javascript, SQL
Technologies: Linux, AWS, REST, Grails, RDBMS, git