

# Nikolay Golub

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## Software Engineer

*Back end/Front end development, Distributed Systems, Web Security.*

Proficient in python, javascript and web technologies. Broad knowledge of application development life cycle. Open to new technologies. Can pick a right tool for a given problem. Follow best practices: unit testing, code review, documentation. Always seek for ways to improve existing things. Can understand business values and goals, which allows to effectively communicate with stakeholders. Think proactively and responsible for meet deadlines and maintain good motivation. Active open-source community contributor.

## Education & Certifications

2006 – 2012	Saint Petersburg National Research University Of Information Technologies, Mechanics and Optics (ITMO University) – Saint Petersburg, Russia ( <a href="http://en.ifmo.ru/">http://en.ifmo.ru/</a> ) Specialist in Information Security
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## Additional training, certificates

2016	Advanced Data Structures in Java, Coursera
2015	Object Oriented Programming in Java, Coursera
2015	M101P: MongoDB for Developers, MongoDB, Inc.
2015	Machine Learning, Coursera
2015	Cryptography I, Coursera
2014	Algorithmic Thinking and Principles of Computing, Coursera

## Work Experience

04.2015	<p>Toptal - Remote (<a href="http://toptal.com">http://toptal.com</a>)  Software Engineer</p> <ul style="list-style-type: none"> <li>• Fullstack development of the admin portal for electric vehicle charging company (EverCharge <a href="http://evercharge.net/">http://evercharge.net/</a>) based on Flask, PostgreSQL</li> <li>• Development of REST API control layer for crowd-sourced polling platform (Civinomics <a href="https://civinomics.com/">https://civinomics.com/</a>) based on Django REST Framework and MySQL</li> <li>• Fullstack development of the web portal for pet care services company (Walkio <a href="https://getwalkio.com">https://getwalkio.com</a>) based on Django and PostgreSQL</li> </ul>
08.2014 - 07.2015	<p>Positive technologies – Saint Petersburg, Russia (<a href="http://ptsecurity.com/">http://ptsecurity.com/</a>)  Software Test Engineer</p> <ul style="list-style-type: none"> <li>• Development of automated tests for several subsystems of Application Firewall</li> <li>• Consultation for performance testing</li> </ul> <p>Achievements:</p> <ul style="list-style-type: none"> <li>• Introduced Selenium-based Web-UI testing</li> <li>• Improved testing process by moving vulnerable application into Docker containers.</li> </ul>
08.2012 - 02.2014	<p>Dino Systems – Saint Petersburg, Russia (<a href="http://www.dins.ru/">http://www.dins.ru/</a>). R&amp;D center of Ringcentral, San Mateo, California (<a href="http://www.ringcentral.com/">http://www.ringcentral.com/</a>)  Senior performance Test Engineer</p> <ul style="list-style-type: none"> <li>• Full process of performance testing from feature understanding and creation of test plan to running developed test and data analysis</li> <li>• Development tests for SOAP API (C#) and Telephony system (Python)</li> <li>• Strong collaboration with Operations and Dev teams for fast problem solving and improving testing process</li> </ul> <p>Achievements:</p> <ul style="list-style-type: none"> <li>• Suggested, designed and developed web portal for aggregation performance test results. It reduced the time spent on report creation by 30 percent. Based on Django, PostgreSQL, Celery and AmCharts.</li> </ul>
06.2011 - 08.2012	<p>Devexperts – Saint Petersburg, Russia (<a href="http://www.devexperts.com">http://www.devexperts.com</a>)  Performance Test Engineer</p> <ul style="list-style-type: none"> <li>• Performance tests configuration, run, validation and data analysis</li> <li>• Administration of test environment in Amazon EC2</li> </ul> <p>Achievements:</p> <ul style="list-style-type: none"> <li>• Developed a script for automatic collection and processing of results from performance tests. It decreased the amount of human error and data loss</li> <li>• Designed and successfully ran performance tests for an industrial monitoring system on a tight schedule</li> </ul>

## Skills Summary

- **Languages:** Python, JavaScript, Java, HTML, CSS, bash;
- **Frameworks:** Django, Flask, Jinja, SQLAlchemy, Django REST Framework, React, Redux, jQuery, AmCharts;
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis;
- **Technologies:** Linux, Git, Mercurial, Docker, Nginx, Apache, Amazon Web Services, Heroku, Jenkins, PyCharm, Vagrant;
- **Other:** OOP, Design Patterns, TCP/IP, SQL, HTTP, REST, Web Security, Git Flow.

## Personal Projects

- **PyJTT** – Cross platform desktop application for time tracking in JIRA. Based on PyQt (Python bindings for Qt library) and Python 3.  
Source code: <https://github.com/citizen-stig/pyjtt>
- **KidStat** - Web application that provides categorisation of child growth standards, using world health organisation data. It is Built on top of Flask, MongoDB and React.  
Link: <http://kidstat.ru>.  
Source code: <https://github.com/citizen-stig/kidstat>
- **Web site about marathon in Saint Petersburg**. It is built on top of Flask, MongoDB and AmCharts.  
Link: <http://ewn2016.golub.pro/>  
Source code: [https://github.com/citizen-stig/ergo\\_white\\_nights](https://github.com/citizen-stig/ergo_white_nights)