

I am a professional software developer/engineer with experience in backend (Java/Spring), frontend (JS/ReactJS) and machine learning (Python) technologies and processes of design, development, testing, deployment, integration and maintenance.

## EMPLOYMENT

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### Software developer -> Sr. software developer

**Wiley****Winter 2017 - Present**

*Named-entity recognition service for articles (May 2018 – Present)*

- Engineered and developed a NER service to extract postcodes, department name and other entities from a paragraph with an affiliation: developed scripts to prepare datasets, purified data, train and improved models, developed an HTTP service and a docker image for future deployment on AWS.
- Participated in development of other NLP models and data preparation for prediction of article entities like authors, title, keywords, abstract and affiliations.

*Reviewer finder and journal finder services (November 2017 – April 2018)*

- Developed rest services for searching relative journals and reviewers based on the information about published articles
- Integrated them with Jenkins, developed automation tests and deployed to different environments
- Conducted technical interviews, leaded/mentored jr/middle software engineers, reviewed code

*Classification tool (May 2017 – September 2017)*

Designed architecture and implemented from scratch a classification tool as a full-stack developer in RactJS/Java

*Delivery platform (February 2017 – September 2017)*

- Developed from scratch a clean-up service to have obsolete data removed using Spring
- Coded business logic for delivering articles' classifications to Literatum system
- Took part in performance, functional, integration and end-to-end testing by writing automatic tests and conferring with QA team

### Programmer

**Virgin Connect****Spring 2016 – Winter 2017**

I was responsible for almost all servers with Java applications in Moscow Region division of Virgin Connect.

*Integration with document management system Diadoc (September 2016 – February 2017)*

- Developed a part of logic for data export from Microsoft SQL Server to xml and pdf files
- Deployed the system on production and test servers.

*Billing admin interface (May 2016 – October 2016)*

- Took part in design and implementation from scratch of a billing admin interface as a full-stack developer
- Released several functions on the client side using React and Spring with Oracle DB on the server side.

*RADIUS authorization service (May 2016 – October 2016)*

- Developed an interaction and synchronization logic between the application and users' info databases to authenticate users. Spring framework, Oracle DB as a primary DB with PostgreSQL as a fail-safe DB and Docker for test environment deployment were used.
- Implemented Python scripts for parsing RADIUS logs and store entries on Oracle Warehouse.

<b>Programmer</b>	<b>Smile Moscow Region ISP</b>	<b>Spring 2015 – Spring 2016</b>
<i>Partner feedback web application (September 2015 – November 2015)</i>		
<ul style="list-style-type: none"> <li>Enhanced the quality of legacy code and adapted Maven automatic build and deploy</li> <li>Integrated partners' requests with Redmine Issue tracker system using REST API.</li> </ul>		
<i>Payment system (April 2015 – April 2016)</i>		
<ul style="list-style-type: none"> <li>Took part in design and implementation from scratch to release of a fault-tolerant payment system as a member of a scrum team using Spring framework</li> <li>Developed Python scripts for Nagios to monitor the status of servers with the application</li> <li>Backed up the payment system's servers.</li> </ul>		
<i>User personal area (August 2015 – December 2015)</i>		
<ul style="list-style-type: none"> <li>Improved the maintainability of the legacy code</li> <li>Set up a frontend nginx server</li> <li>Automated deployment process on dev, test and production servers using Ansible.</li> </ul>		
<i>User information message (October 2015 – January 2016)</i>		
<ul style="list-style-type: none"> <li>Full refactoring of legacy code (separated business logic and presentation; integrated project with Maven)</li> <li>Developed and introduced a new user interface using Bootstrap framework.</li> </ul>		

**Intern consultant -> Jr.**

<b>software developer</b>	<b>IBS</b>	<b>Fall 2013 – Spring 2015</b>
<i>Enterprise portal development (November 2013 – March 2015)</i>		
<ul style="list-style-type: none"> <li>Developed a web application for displaying and editing information about transport using ExtJs and Liferay Portal</li> <li>Designed architecture and implemented a gallery component for displaying photos and videos using pure JS and SAP Java stack</li> <li>Wrote a portal component for conducting polls using SAP Java Stack.</li> <li>Wrote a web service to update spreadsheets using SOAP and SAP Java stack.</li> </ul>		

<b>Automation engineer</b>	<b>EMICON</b>	<b>Winter 2012 – Fall 2013</b>
<i>Software system to automate the creation of design documentation (January 2012 – October 2013)</i>		
Designed, coded, tested, introduced and maintained a cad software system to automate the creation of design documentation of programmable logic controllers which reduced the time of their development by 30%.		

## EDUCATION

	<b>Bauman Moscow State Technical University</b>	
<b>Moscow, Russia</b>		<b>Fall 2007 – Summer 2013</b>
Specialist (Master's degree) in Computer systems and networks, June 2013. GPA: 5.0 out of 5		
Coursework: Programming Languages and algorithms; Databases; Circuitry; Computer networks; Computer systems; Microprocessor Systems; Signals Processing.		
Diploma thesis: "Microprocessor-based system of automatic fire suppression at the acceptance station of an oil refinery plant".		
	<b>Online courses</b>	<b>Fall 2013 – Present</b>
<a href="#">Algorithms</a> ; <a href="#">Web Applications Architecture</a> ; <a href="#">Advanced Java</a> ; <a href="#">Databases</a> ; <a href="#">Web technologies</a> ; <a href="#">Linux administration</a> ; <a href="#">Stanford's Machine Learning</a> ;		

## CERTIFICATES

<b>English</b>	IELTS: 8.0/C1 (L: 8.5, R: 8.5, W: 8.0, S: 7.0)	<b>March 2019</b>
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## ADDITIONAL TECHNICAL EXPERIENCE

<b>Study projects</b>		
<ul style="list-style-type: none"> <li><a href="#">Titanic prediction</a> (Fall 2019) – model of the titanic survival problem with 80.3% accuracy on the test set</li> <li><a href="#">MacOS environment</a> (Spring 2019) – Ansible playbook to automatically deploy developer's environment</li> <li><a href="#">Key-value cache 3</a> (Winter 2018) – designed and implemented API for a thread-safe key-value cache concept</li> <li><a href="#">Key-value cache 2</a> (Summer 2018) – designed and implemented API for a key-value cache concept</li> <li><a href="#">Todo</a> (Spring 2017 – Winter 2017) – a web application for getting things done concept. Written in Java (server) and JS (client) with the usage of Spring (Boot, MVC, Security, Data), Hibernate, Maven, Travis CI; React, npm, webpack; Docker</li> <li><a href="#">Powerlifters DB Interface</a> (Summer 2016 – Autumn 2016) – a web application that shows different ways to connect to a PostgreSQL DB from Java and that can be launched without any external dependency on Docker.</li> </ul>		

- [Game server](#) (Summer 2014) – implementation of a game server written in Java. This project is developed with usage of: Jetty HTTP server, FreeMarker Java Template Engine, Selenium, JDBC, Hibernate.
- [Slideshow gallery](#) (Spring 2014) – simple gallery written in pure JS.
- [Game XO](#) (Winter 2013) – took part in Android game project. Developed and implemented AI algorithm.

#### **SKILLS, LANGUAGES AND TECHNOLOGIES**

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- Algorithms, data structures and concurrency programming
- Java, Groovy; Spring (MVC, Data, Boot, Security), Jakarta EE (basics), Hibernate; Maven, Gradle
- Python, Jupyter, Spacy, Keras
- JS, React, Ext JS, npm, webpack, babel; HTML, CSS, Bootstrap framework
- SQL; MySQL; PostgreSQL, PL/pgSQL; Oracle DB (basics); Elasticsearch
- Tomcat, Jetty; Nginx; Nagios
- Web Services: REST, SOAP; XML, XSLT
- Linux; TCP/IP protocols, networking and computer technologies
- Git, SVN; Ansible; Docker, Vagrant; Redmine, Atlassian JIRA, Atlassian Confluence; Travis CI, Jenkins; IntelliJ IDEA, Eclipse