

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

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 (October 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.

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

Intern consultant -> Jr.

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

Automation engineer	EMICON	Winter 2012 – Fall 2013
<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

	Bauman Moscow State Technical University	
Moscow, Russia		Fall 2007 – Summer 2013
Specialist (Master's degree) in Computer systems and networks, June 2013. GPA: 5.0 out of 5		
Coursework: Programming Languages and algorithms; Databases; Circuit engineering; 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".		
	Online courses	Fall 2013 – Present
Algorithms ; Web Applications Architecture ; Advanced Java ; Databases ; Web technologies ; Linux administration ; Stanford's Machine Learning ;		

CERTIFICATES

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

Study projects

- [Titanic prediction](#) (Fall 2019) – model of the titanic survival problem with 80.3% accuracy on the test set
- [MacOS environment](#) (Spring 2019) – Ansible playbook to automatically deploy developer's environment
- [Key-value cache 3](#) (Winter 2018) – designed and implemented API for a thread-safe key-value cache concept
- [Key-value cache 2](#) (Summer 2018) – designed and implemented API for a key-value cache concept
- [Todo](#) (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
- [Powerlifters DB Interface](#) (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.

- [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

- 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