

# NLP engineer

---

- email: [bavadim@gmail.com](mailto:bavadim@gmail.com)
- web-site: [bavadim.me](http://bavadim.me)
- github: [github.com/bavadim](https://github.com/bavadim)

## Summary

---

I am an experienced engineer with 10 years of experience. I have created several large projects from scratch. I will be glad to help you if you need a rapid prototype of an AI-based web service, to solve a practical natural language processing task or to set up a machine learning pipeline.

Summary of my experience:

- 10 years of industry experience in backend developing distributed applications and high load systems on Scala and Java.
- 3 years of experience in building NLP software: chatbots, model tuning, building ml infrastructure.
- 2 years of managing own company.

## Core skills

---

Scala, SciPy, TensorFlow, Natural Language Processing, Natural Language Toolkit (NLTK), Akka, Play Framework, pandas, Apache Spark, Chatbot Development.

## Projects

---

I have developed several projects from scratch, including projects for large companies such as Sberbank, Russian Railways, Rospechat. For example, this one: <http://smartnalog.ru>. This is a knowledge base on Russian tax law, developed by me from scratch in 3 months. The main challenge of the project was the development of a search engine. This search engine uses AI technologies (USE, ODQA) to select an article from text knowledge base. The question is forwarded to the lawyer if no article is found. Technological stack: python, typescript, tensorflow.

Another projects you can find on [my github](#).

## Publications

---

date	source	article name
2017	<a href="#">The NIPS '17 Competition: Building Intelligent Systems</a>	Competition on Automatic Evaluation of Dialogue Quality
2018	<a href="#">Radio Metrix</a>	Machine learning in law

# Professional experience

---

employment period	name of organization	position	duties/achievements
2018 - 2020	<a href="#">fastlaw.io</a>	CTO	I am the founder of fastlaw.io. My company offers consulting services and we are creating NLP-based products for EDI automation.
2017 - 2020	<a href="#">DeepPavlov</a>	chief engineer	We were developing an open-source framework for building chatbots. Our framework includes state-of-the-art NLP models. I led the department of business solutions. In this position, I was responsible for analytics and the technical implementation of user products.
2015 - 2017	<a href="#">Raiffeisen Bank</a>	senior developer	I was a developer engaged in the development of mission-critical services of Raiffeisen business online platform: authorization, monitoring, and data storage. We used Scala, Akka, Play framework. In this position, I got experience with SQRS, CRDT and Event sourcing patterns.
2012 - 2015	<a href="#">Edisoft Development Ltd.</a>	system architect	Head of the R&D department. I have prototyped several products, e.g. AlfaFactoring platform (high-load project for AlphaBank). In this position, I was leading a team with 6 developers. We used many technologies, but our main stack was Scala, Java and Ruby-based.
2011 — 2012	<a href="#">Acronis Ltd.</a>	software engineer	Participated in the development of Acronis Backup and Recovery for Linux as a developer. In that position, I worked with POSIX API, C++ and Assembler. Moreover, I was a release manager and manage codebase of the Acronis Backup and Recovery project (~90GB in SVN repo). This experience helped me to understand the most important principles of software development.
2008 - 2010	<a href="#">Moscow Power Engineering Institute</a>	developer	Participated in the development software for the Russian Ministry of Education. I was developer of desktop applications. Technological stack based on Java and C#.

## Education

---

year of graduation	school	degree
2010	<a href="#">Moscow Power Engineering Institute (Technical University)</a>	Masters Degree in Computer Science
2011	<a href="#">udacity.com</a>	Artificial Intelligence
2012	<a href="#">Coursera.org</a>	Software Engineering for SaaS
2013	<a href="#">udacity.com</a>	Artificial Intelligence for Robotics
2014	<a href="#">Coursera.org</a>	Machine Learning
2014	<a href="#">Coursera.org</a>	Functional Programming Principles in Scala
2017	<a href="#">HSE University</a>	Masters Degree in Artificial Intelligence