BackEnd NLP engineer

Summary

- Full name: Vadim Polulyakh
- Experience: 10 years
- City: Moscow

Core skills

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

Projects

I have developed some projects from scratch. You can estimate my practical skills on them:

- http://smartnalog.ru 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 (fasttext, WMD) to select an article from knowledge base that is appropriate for the user's question. The question is forwarded to the lawyer if no article is found. This answer is remembered. Thus, I managed to create a database of answers in two months. Technological stack: python, typescript, tensorflow.

Publications

date	source	article name
2017	The NIPS '17 Competition: Building Intelligent Systems	Competition on Automatic Evaluation of Dialogue Quality
2018	Радио Медиаметрикс	МАШИННОЕ ОБУЧЕНИЕ В ЮРИСПРУДЕНЦИИ

Work history

employment period	name of organization	position	duties/achievements
2017 - 2020	DeepPavlov	chief engineer	We were developing an open-source framework for building chatbots. Our framework includes state-of-the-art NLP models. I lead the department creating the final solutions based on the framework.
2015 - 2017	Raiffeisen Bank	senior lead developer	I have been engaged in the development of mission-critical services: authorization, monitoring, and data storage.

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2012 - 2015	Edisoft Development ltd.	system architect	Head of the research, development and prototyping architecture of electronic document interchange services.
2011 — 2012	Acronis ltd.	software engineer	Participated in the development of Acronis Backup and Recovery for Linux as a regular developer. Moreover, I was a release manager and manage codebase of Acronis Backup and Recovery project (~90GB in SVN repo).
2008 - 2010	Moscow Power Engineering Institute	developer	Participated in the development software for the Russian Ministry of Education.

Education

year of graduation	school	degree
2010	Moscow Power Engineering Institute	Masters Degree in Computer Science
2011	udacity.com	Artificial Intelligence
2012	Coursera.org	Software Engineering for SaaS
2013	udacity.com	Artificial Intelligence for Robotics
2014	Coursera.org	Machine Learning
2014	Coursera.org	Functional Programming Principles in Scala

About me

I am an experienced engineer who has 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.

Contacts

- email: bavadim@gmail.com
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