

Dmitrii Abramov

SOFTWARE ENGINEER

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Education

2016-2020 **Higher School of Economics**, Saint-Petersburg, Russia
Bachelor of Science in COMPUTER SCIENCE

Work experience

June 2020 Now	Chatfuel , Remote <i>Software Engineer</i> Backend development for the product; providing technical expertise to the business growth team. I took ownership of designing a new payments system. Technologies: Kotlin, Java, Redis, MongoDB, Kubernetes, GCP, Microservices
March 2020 June 2020	AMZScout , Remote <i>Software Engineer (freelancer)</i> Architecting and developing microservices for analytics search subsystem. Technologies: Java, Spring, Swagger, REST API, Elasticsearch, PostgreSQL, GitLab CI
Summer 2019	Deutsche Bank Technology Centre LLC , Saint-Petersburg, Russia <i>Software Engineer (intern)</i> Designing, creating, and enhancing testing tools for several Bank projects. Technologies: Java, Kotlin, Groovy, Spring, Apache Kafka, Oracle DB, Cucumber BDD
October 2018 May 2019	Keentools Ltd , Saint-Petersburg, Russia <i>Software Engineer</i> As part of KeenTools team, I was implementing a version of the PinTool plugin for Adobe After Effects. Technologies: C++, C, OpenGL, Adobe After Effects Plugin API, CMake
2017 - Now	Summer Informatics School (lksh.ru) , Russia <i>Software Development Tutor</i> Teaching Python, algorithms, and data structures to high school students.

Projects

2019 - 2020	HLDiff - a new approach to source code differencing (github) <i>Research and Development project, JetBrains Research</i> As my Bachelor thesis project, I developed a new tool for source code differencing. It is based on a novel language-independent algorithm and generates high-level changes representations which may make the code review process more effective. Generated changes representations are aware of the code structure and operate on a programmer's level of abstraction. Technologies: Kotlin, Java, Typescript, Angular, Spring
Spring 2018	Dota Deep-RL with demonstrations (github.com/karvozavr/DotA-DeepRL) <i>Research project, JetBrains Research</i> This is a research project about how deep reinforcement learning with demonstrations applies to a complex environment like the Dota 2 game. I implemented deep neural networks in Python with Tensorflow and a machine-learning models training framework for the Dota 2 game in Lua and Python with Flask for the server-side. Technologies: Python, Flask, Tensorflow, Neural Networks, Lua
Fall 2017	CityQuest (github.com/karvozavr/CityQuest) <i>Team Software Project</i> This is a service for outdoor city quests. I was responsible for managing the teamwork process and implementing the Android application for quests. I used Google Auth for user accounts system and Google Drive API for storing and sharing user progress. The app supports various types of quest tasks and it's functionality can be easily extended. The entire app is implemented using Java and Android API. Technologies: Java, Android, Python, Django, KotlinJS, Google Drive API, Google Maps API

Skills and Technologies

Programming Languages:

Java, Kotlin, Python, SQL, C++, C, Go, Haskell.

Technologies:

Spring, Linux, Docker, Git, Cucumber BDD, AWS, GCP, Tensorflow, Flask, Android, Jenkins.

Languages:

Russian (native), English (fluent), French (elementary), German (elementary).