

DMITRII ABRAMOV

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EDUCATION

Bachelor, Higher School of Economics, St Petersburg, Russia
Applied Mathematics and Computer Science

2016-2020

EXPERIENCE

Tessian

May 2021 - Present

Software Engineer II

London, UK

Worked on email security software as a backend engineer in close collaboration with data scientists.

- Developed a malicious URL detection service that allowed to detect 10% more malicious emails.
- Re-architected a pipeline that runs ML-based checks on historical data to be scalable, to give Proof of Value to large customers (100K+ mailboxes).

Tools: Python, Terraform, AWS, Spark, Microservices, MLOps, Distributed Systems

Chatfuel

July 2020 - March 2021

Software Engineer

Remote

Worked on the growth team of the chatbot marketing platform.

- Took ownership of designing a new payments system.
- Implemented backend solutions to enable complex product experiments.

Tools: Kotlin, Java, Go, Redis, MongoDB, Kubernetes, GCP, Microservices

AMZScout

March 2020 - June 2020

Software Engineer (freelancer)

Remote

Worked as a software development consultant.

- Architected and developed microservices for the marketing analytics search subsystem.

Tools: Java, Spring, Swagger, REST API, Elasticsearch, PostgreSQL, GitLab CI

Deutsche Bank Technology Centre

Summer 2019

Software Engineer (intern)

St Petersburg, Russia

Worked on designing, creating, and enhancing QA tools for several Bank projects.

Keentools

October 2018 - May 2019

Software Engineer (intern)

St Petersburg, Russia

Worked on implementing a version of the object tracking VFX plugin for Adobe After Effects.

PROJECTS

Source code differencing (with JetBrains Research). September 2019 - May 2020 github.com/JetBrains-Research/hldiff

Designed a novel algorithm that generates high-level code changes representation. It could make the code review process more effective, as the algorithm is aware of the code structure and operates on different levels of abstraction.

Deep-RL with demonstrations (with JetBrains Research). Spring 2018 github.com/karvozavr/DotA-DeepRL

Researching how deep reinforcement learning with demonstrations applies to a complex environment like the Dota 2.

CityQuest - outdoor quests service. September 2017 - January 2018 github.com/karvozavr/CityQuest

With two other students, I worked on a service for outdoor quests. My contribution was the Android application.

SKILLS

Programming Languages

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

Technologies

Linux, Docker, Terraform, AWS, MongoDB, PostgreSQL, Spark, Spring

Languages

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