DMITRII ABRAMOV

+44 0782 509 4778 ⋄ London, UK

dmitrii.abramov@outlook.com ⋄ linkedin.com/in/dmitrii-abramov ⋄ github.com/karvozavr

EDUCATION

Bachelor, Higher School of Economics, St Petersburg, Russia   2016-2020
Applied Mathematics and Computer Science

EXPERIENCE

Tessian   May 2021 - Present
Software Engineer   *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.
- Architected and developed a framework and environment that reduced the time for ML research experiments on production data from days to hours. It also allowed to scale historical data based product demos for large new customers (100K+ mailboxes).
- Constantly advocating for, and educating callegues on the best practices of software development.

Tools: Python, Terraform, AWS, Spark, AirFlow, 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)