

GEORGE LEONTIEV

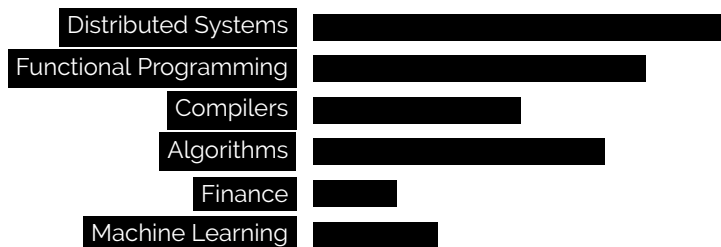
Engineering @ Twitter
Core Services

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WHO AM I?

10+ years of experience in building and scaling highly-performant distributed systems that power critical parts of the infrastructure at the largest tech companies.



EXPERIENCE

2017 – present
London

Twitter

Engineer

I'm a part of the Core Services team at Twitter, working on rearchitecting internal API and the way production features are built at Twitter using GraphQL as the enabling technology.

Some of the projects I'm most involved in include: working on a compiler for a query language to a distributed virtual database (that uses various datastores and services as underlying columns), working on transpiling GraphQL queries to the aforementioned query language, implementing and scaling GraphQL subscriptions via a realtime streaming system.

Scala / GraphQL / Distributed Systems / Compilers

2014 – 2017
Berlin

SoundCloud

Engineer

I have worked in several teams at SoundCloud. In my last job there, I was a part of the activities team where my work consisted of scaling and implementing the highest throughput systems at SoundCloud, i.e. systems that power the front page, notifications and social graph features.

Before that I was a part of the creators team where I focused on features that help creators reach a wider audience, such as, services for creator stats, in-app messages, coordinating track creation, rss-feeds and the transcoding flow. Additionally, I bootstrapped services for serving content to stations and services for the bulk content ingestion pipeline for partners.

Finally, when I joined SoundCloud I was a part of the core services team. There I took care of services used by all teams such as geo, authorizations and rollout services. Additionally, I took care of libraries built on top of Finagle to provide developers with tools to bootstrap and evolve their services quickly and intuitively.

As part of my 20% time, I've built and maintained an ops tool for managing service deploys across the company. Even though the tool was not part of the official tooling, it was eventually adopted by most of the teams at the company.

Scala / Microservices / Distributed Systems / Kubernetes / Haskell

2013 – 2014
Berlin

deltamethod

Quantitative Developer

I worked on the development of a recommendation system for improving online ads and ad campaigns that predicts their success and suggests possible improvements. I implemented various machine learning algorithms in Scala/Python and produced functional code that scales to big amounts of data.

Python / Machine Learning / Scala

2011 – 2013
Amsterdam

The New Motion

Scala Developer

I was the second person joining the client's remote dev team (9 people at the time of me leaving). Had a chance to work on / initiate / lead all the projects the company worked on.

Scala / Java / Distributed Systems / Internal tools

2010 – present

Open-source

Engineer

I've worked with several opensource communities. Some examples are – the Lightbend and Typelevel Scala compilers, where I worked on bringing SIP-23 to life: <https://docs.scala-lang.org/sips/42.type.html>. Other notable projects include the twitter libraries stack – utils, finagle, finatra.

Functional Programming / Distributed Systems / Compilers

EDUCATION

2008 – 2010

Master's Degree
Computer Science

National University "Kyiv-Mohyla Academy"

2004 – 2008

Bachelor's Degree
Computer Science

National Taras Shevchenko University

LANGUAGES

English - fluent

Ukrainian, Russian - native

German, French, Icelandic - rudimentary

PUBLIC SPEAKING

I've done quite a few talks over the years (although I haven't been as active recently). My main topics usually include things like working on compilers, distributed systems, weird parts of type systems, etc. You can see some of my slides here: <https://speakerdeck.com/folone>

HOBBIES

Distance Running: I often race one or two (up to three!) marathons a year. So far I've done 7, my best time is 3:17:50, and I'm working towards a sub-3h time. Here's my strava profile: <https://www.strava.com/athletes/yukifartlek>