

# Alexey Zarakovskiy

Senior Software Engineer  
Master in Computer Science



Amsterdam

+31 6 47 21 49 27

[work@azarakovskiy.com](mailto:work@azarakovskiy.com)

[linkedin.com/in/azarakovskiy](https://www.linkedin.com/in/azarakovskiy)

Fluent English, native Russian,  
intermediate Dutch & Spanish.

Passionate backend software engineer. Language and technology agnostic. Nothing-is-impossible mindset. 3+ yrs Golang, 8+ yrs Java, 6+ yrs Javascript.

Golang · Java · PHP · Javascript · Python · SQL · Bash · AWS · Distributed Systems · Protobuf  
Kubernetes · Kafka · Docker · DynamoDB · Prometheus · Grafana · Elasticsearch · Open-source

## Projects & Experience

**BEAT** · Major ride-hailing mobility app famous in multiple LatAm countries

Senior Backend Developer · Sep 2019 - Now · 3 yrs 3 mos · Amsterdam

In the Platform Services team, I developed the API gateway and authentication service as part of a migration process out of the PHP monolith.

APIs in the monolith should have been gradually migrated to the microservices without downtime, with authentication and flexible routing options. In a team, I built the tools to allow product teams to take over the traffic from the monolith, and do it independently. With a load of 5-10k requests per second for the entire platform, it was very important to ensure its uptime.

I implemented an automatic service discovery in Kubernetes, and did a lot of research for it in terms of using Ingresses, K8S API and custom resources that would replace them.

For the authentication purposes, I built the highly performant microservice backed up by DynamoDB and Redis for user identity storage and management. The data would be consumed from Apache Kafka.

Golang · Kubernetes · AWS · DynamoDB · Docker · Kafka · Kubernetes · PHP · Protobuf

**fashionTrade** · Online b2b marketplace for fashion

Senior Java Developer · May 2018 - Jul 2019 · 1 yr 3 mos · Amsterdam

I was responsible for development of a CRM integration with brands. The challenges were the need to normalize the incoming data because it didn't have any universal structure, and then disambiguate this data against the already existing data to prevent duplicates and enrich it for everyone. This involved building RESTful APIs, using advanced patterns of Kafka topic synchronization and complex Elasticsearch queries to find existing matches.

Java · Python · REST · Docker · Kafka · GCP · Kubernetes · Elasticsearch

**SDL Web** · Open-source framework for a complex enterprise CMS

Technical Team Leader · Jan 2017 - Apr 2018 · 11 mos · Amsterdam

Senior Java Developer · Oct 2015 - Jan 2017 · 1 yr 8 mos · Amsterdam

The company's main product CMS is extremely complex for end-users developing their custom components. In order to abstract its complexity away, my team implemented an open-source community-driven framework in both C# and Java.

I led the development of the Java counterpart in close collaboration with the C# team, and in constant touch with the community using the tool. The tool is processing raw data and maps it on the given models by heavily using reflection.

Java · Spring · Maven · Gradle · Open-source · C#.NET

**EPAM Systems** · Outsourcing

MeteoGroup, Germany · Senior Java Developer · Jun - Sep 2015 · 4 mos · Poland

API integration for a provider of wind turbines that predicted their productivity at a given time range based on weather forecast data.

Senior Java / Javascript Developer · May 2014 - May 2015 · 1 yr 1 mos · Russia + Poland

Full-stack development of a “drag&drop” browser wizard to build full-featured marketing landing pages collecting user metrics for non tech-savvy users.

Java / Javascript Developer · Jul 2012 - Apr 2014 · 1 yr 9 mos · Russia

Full-stack but mostly frontend development for a CRM system for Yota Bank.

Java · Hibernate · SQL · Spring · jQuery · AngularJS · Bootstrap · Perl · Bash

**L.I.C.** · Documents and business workflows management system

Java / Javascript Developer · Jul 2011 - Jul 2012 · 1 yr 1 mos · Russia

**Web studio “Orange”** · Various websites of different complexity and scale

PHP / Javascript Developer / Project Manager · Jun 2009 - Jun 2011 · 2 yrs 1 mos · Russia

**State factory “Energy”** · Radio intelligence and monitoring systems

C++ / C#.NET Developer · Jul 2006 - Jun 2009 · 3 yrs · Russia

## Education

UX Design Essentials Course · 2011 · Russia

State University of Informational Technologies “ITMO”, Master, Computer Science · 2005 - 2011 · Russia