

Dmitry Melnikov

Software Engineer with over 15 years of experience at leading tech companies,
UK Global Talent Visa Alumni, Tech Speaker

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PROFESSIONAL CAREER SUMMARY

Scalable Solutions — Head of Frontend Department

09/2024 – present

Company profile: a leading provider of technology for cryptocurrencies and digital assets. A comprehensive suite of products such as a crypto core, custody, a professional trading platform, digital wallets, and a payment gateway

I lead the company activities to develop new apps, features and integrations with partners. I migrated solutions to a modern tech stack that helped to deliver reliable solutions much faster, contributed to the architectural decisions, and helped to grow several products teams

Product Science, USA — Principal Software Engineer

10/2021 – 06/2024

Company profile: Products Science is a SaaS aimed at improving mobile app performance. The company was founded by Liberman brothers – futurists, entrepreneurs, and investors, ex Snapchat

I led development teams, design and implement system architecture, infrastructure, and product features

Noticeable achievements: backend & frontend infrastructure design, highly performant flame chart implementation (Typescript + canvas), trace parser, trace and video synchronization feature, processing pipeline scaling, template engine & viewer for docs and manuals based on Markdown, code injection/transformation engine maintenance, device farm for regression analysis processing

Tech stack: GCP, Serverless/CloudRun/PubSub, CI/CD, Kotlin, Micronaut, Javalin, PostgreSQL, Gradle, Docker, Terraform, React, MobX, Tailwind, Android, iOS, performance engineering, traces, bytecode instrumentation

EventSheep — Chief Technology Officer

02/2020 – 10/2021

Company profile: EventSheep is a SaaS for event organizers to facilitate events:

CORE TECHNICAL SKILLS

Back-End

Java, Kotlin, GCP/AWS, serverless, CI/CD, Gradle, Dagger, Relational databases (SQLite, PostgreSQL), NoSQL databases (MongoDB, Cassandra, Redis), Docker, HTTP, TLS, REST, gRPC, TCP/IP, API design, RxJava, Coroutines

Front-End

JavaScript/Typescript, React/Astro, Vue/Nuxt.js, MobX/Zustand, HTML, CSS, WebPack/Vite, Tailwind

Mobile

Android, Java, Kotlin, RxJava/Coroutines, Dagger, SQLite, SQLDelight/Room, Kotlin Multiplatform

LANGUAGES

English, Russian

EDUCATION

[Admiral Makarov State University of Maritime and Inland Shipping](#), Saint-Petersburg, Russia
Major: Applied Mathematics and Computer Science (Hons)
GPA: 4.93

PERSONAL ACHIEVEMENTS

UK Global Talent
visa alumni

schedules, speakers, registration forms, email invitations, and housing all event-related information in one place.

I was responsible for the technical vision, MVP development: backend and Android/iOS native mobile apps, core development and maintenance, team management

Tech stack: Kotlin, Docker, DO/AWS, SQLite, Vue, Nuxt, Bootstrap

VK (Mail.Ru Group), Russia — Staff Software Engineer

04/2015 – 02/2020

Company profile: one of the largest Russian tech companies that operates social networks, messengers, email services, and internet portals

- managing and overseeing all aspects of the product development cycle for a messaging service [TamTam](#) (the Russian version of WhatsApp and Facebook messengers), now known as [Max](#)
- leading the mobile development team
- designing architecture, APIs and protocols

Tech stack: Java, Gradle, Android, Sqlite, RxJava, custom TCP/IP protocol, OneNio, Cassandra, Redis, Kafka, Spark, Hadoop

Yandex, Russia — Senior Software Engineer, Public APIs Product Manager

07/2011 – 10/2014

Company profile: One of the largest technology companies that builds intelligent products and services powered by machine learning. It operates an Internet search engine in Russia and internationally

Developed a range of services associated with the Yandex.Money service, now known as [YooMoney](#) – the Russian alternative to PayPal. Took the lead in the process of transitioning mobile apps outsourcing into in-house development. Product management of Yandex.Money's public APIs

Tech stack: Java, JavaEE, Spring, Hibernate, Ant, Maven, Oracle, XML

Sigma Soft, Russia — Software Engineer

12/2007 – 06/2011

Company profile: Sigma-Soft is a customs clearance software company

I took part in several projects. Developed an internal XML format migration library from scratch. Created customs clearance CRM "Odysseus"

Tech stack: Delphi, XML, XSD, DevExpress, Firebird, HTTP, DLL, ActiveX

Public speaker

Tech talks at various conferences and meetups: [Jugru](#), [Podlodka Crew](#), [Innopolis](#), [E-Legion](#), [SPBSTU](#), [Yandex.Events](#)

Lecturer

[Technopolis](#) founded by VK
2019 – 2022: Lecturer in Computer Science

[Admiral Makarov State University of Maritime and Inland Shipping](#)

2017 – 2021 Associate Professor in Computer Science

2019 – 2021 Member of the diploma committee at the department of applied mathematics