



Oleg Babichev

Fullstack developer

Education

- 2015–2017 **MSc in Applied Mathematics and Informatics**, *Moscow Institute of Physics and Technology*, Department of Innovation and High Technology, *Subject*: Social network analysis of email communications within companies
Supervisor: Associate professor Zvonov Denis
- 2011–2015 **BSc in Applied Mathematics and Physics**, *Moscow Institute of Physics and Technology*, Department of Radio Engineering and Cybernetics, *Subject*: Research of performance of full-system simulator Simics
Supervisor: Associate professor Stepin Andrey

Professional experience

- 2022–today **Fullstack developer**, *JetBrains*, Munich (Germany)
- 2019–2022 **Software engineer**, *PPRO Group*, Munich (Germany)
- 2018–2019 **Frontend developer**, *GermanPersonnel e-search GmbH*, Munich (Germany)
- 2016–2018 **Chief IT Engineer**, *Sberbank-Technology*, Moscow (Russia)
- 2015–2016 **Lead Engineer**, *Sberbank-Technology*, Moscow (Russia)
- 2013–2015 **Intel platform simulator developer (Intern)**, *Intel*, Moscow (Russia)

Projects

- Exposed **Kotlin, SQL, JDBC, Postgres**, Open source Kotlin SQL framework
Contributor to the open source Kotlin SQL framework *Exposed*. Worked on the new public API for the DSL layer, contributed to the first major release, and refactored internal mechanisms including transaction management. Proposed and discussed future large features such as the entity layer.
- DeFi Canvas **Go, PostgreSQL, Blockchain (TON), TypeScript, React**, Telegram DeFi platform
Go backend developer for a DeFi Telegram bot (@DeFiCanvas_bot) in the TON ecosystem. Implemented the core domain model and integrated backend services with blockchain operations. Worked with Go, PostgreSQL, and a TypeScript/React Telegram app over 6 months of personal time.

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Cephiroth	Kotlin, Ktor, PostgreSQL, React, TypeScript, Python, AWS , Dental X-ray analysis platform Developed a full-stack application for dentists to analyze dental X-rays. Built the backend with Kotlin and Ktor, a React/TypeScript frontend, and Python services for running computer vision models. Deployed the system on AWS using Docker containers and Terraform for infrastructure management. Worked in a small team over 1 year of personal time.
Pricing Tool	TypeScript, React, GraphQL, Apollo, SQL, Kubernetes , <i>Web application to manage the process of generation contracts in the PDF format and their approving</i> I started this project from scratch and created MVP (Minimal valuable product). Then the implementation of the production version was started and I partially moved to the backend side. On this project, I used containerization with Docker and Kubernetes, and implemented an API based on query language (GraphQL).
Personal e-search system	PHP, Zend, AngularJs , <i>B2B web application that supports HR's to publish job ad and to manage profiles of applied candidates</i> I have come to this project as a frontend developer but due to project reasons, I started to work a lot on the backend with PHP/Zend and Postgres. During this project, I dived into PHP, Zend, Laravel and worked with Postgres, Redis, Docker and RabbitMQ
Manager mobile workstation	JavaScript, ReactNative, React, Redux, thunk , <i>An iOs ReactNative application for internal managers.</i> During this project I learned JavaScript and React. The project is based on React, Redux and thunk stack. Also, I built a continuous integration for this project with Jest unit testing, SonarQube static analyzer, building iOs app with xcode, publishing to the internal mobile distributing server and Jenkins as a combiner for all steps. I was a team leader and I had got an experience of working with Jira, divide, evaluate and delegate tasks to team members.

Programming skills

Languages	TypeScript, JavaScript, Kotlin, Go, Python, Java, SQL
Frontend	React, React Native, Redux, React Query
Backend	Ktor, Spring, Express, NestJS, GraphQL (Apollo)
Databases	PostgreSQL, Redis, MongoDB
DevOps	Docker, Kubernetes, Terraform, AWS, Jenkins

Extra-Curricular Activities

2020–2021	Frontend Development Course (TypeScript & React) , <i>Moscow Institute of Physics and Technology (MIPT) / Sberbank-Technology</i> , Semester course, taught 3 times Designed and taught a semester-long frontend development course focused on TypeScript and React for MIPT students. The course was conducted in cooperation with Sberbank Technology.
2019	"React Design Patterns and Best Practices" (Michele Bertoli) , <i>Translation of the book into Russian</i> , Link: https://github.com/obabichev/React-Design-Patterns-and-Best-Practices-Rus
2016	Mobile developing summer school , <i>Yandex</i>
2015-2016	Web/Mobile developing program , <i>TrackMail, Mail.ru Group</i>
2014	Java semester course , <i>NetCracker</i>

2012 C/C++ education program, *iLab, Intel*

■ Languages

English Fluent
German Upper intermediate
Russian Native

■ Personal Details

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■ Profiles

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YouTube https://www.youtube.com/channel/UCr-zu7pW5c_X9ex3UoDU0qQ

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