

# Alexey Talkan

Software Developer

---

Fullstack developer with 18 years of experience. Familiar with many languages and technologies.

Made a payment gateway from scratch, which in the first year was used by 15 million people.

Developed and managed a startup that raised \$2 million after launching.

I made an application that got into the featured list on the main page in the AppStore

I am currently in Moscow.

Open to remote work and relocation to Germany or the USA.

I have long ceased to participate in disputes about which language or technology is better, because any programming language is only a tool that is more or less suitable in each case. And it's a matter of hours or days to figure out with a new language or technology.

I have experience in managing and developing large complex projects from scratch, as well as connecting to an existing project with a large codebase. I know how to hear and take into account business needs, I don't rush to rewrite someone else's code, but I can also refactor.

## Languages and technologies

### Backend

I've been actively using Node.js for a long time as a default platform. I have experience with Go. I wrote in C# for a long time. It is interesting to take part in the project with Rust.

### Mobile

I wrote large applications on my own and as a team. Previously on ObjC, now on Swift. I have experience working with Kotlin, ReactNative

### Management and planning

As a team leader, I managed a team of 6 developers. Participated in three projects as CTO. I have experience in successfully launching projects in production from scratch

### Database

Worked with MS SQL, Oracle, MySQL. I prefer PostgreSQL. I can make a query, write a stored procedure, and set up backups.

### Front

Main stack: React.Js + Redux + WebPack. I can create a page in Bootstrap, write a couple of SCSS classes, I'm familiar with Flexbox and Grid.

### Machine Learning and Python

Passed Google Crash Course and workshop on Fast.ai. I wrote on PyTorch and trained several models. I am actively interested and studying this area.

✉ [alexey@talkan.name](mailto:alexey@talkan.name)

☎ [+7 \(926\) 53-51-604](tel:+7(926)53-51-604)

💰 [atalcan](#)

## Languages

English – B2

Russian – Native

## Skills

Node.js, C#.NET

PostgreSQL, MySQL

Swift, Kotlin

React.js, Redux,

Agile, DevOps

## Work Experience

Head Of Development – Mi People – USA, Worldwide

2014 – 2020

A social network for charity. It is functional, like Instagram, but with paid posts and likes, the money from which was transferred to nonprofit foundations in 20 countries of the world.

The server application was implemented on the stack: Node.js + Redis + PostgreSQL. AWS S3 was used as a user data storage, the application is deployed in the AWS cloud. The web version of the application was written in React.js and Redux with communication between the client and the server using the REST API and WebSockets. Mobile versions of applications for iOS and Android were implemented in Objective C and Kotlin languages using ReactiveCocoa and Realm libraries.

Since I created the project from scratch, I wrote the basis of all the functionality, implemented my own ORM for working with the database and caching, wrote integration with payment gateways of different countries (PayPal, Authorize.NET and others), the tasks of distributed data storage, fault tolerance and fraud monitoring were solved, an analytics system for management and electronic reporting for accounting documents was implemented. Subsequently, as a technical director, I formed a team and organized the process of product development and deployment.

Head Of Development – Payture – Moscow, Russia

2010 – 2013

The payment gateway is a B2B product with the ability to pay with bank cards, recurrent payments, virtual wallets and a powerful anti-fraud system.

The core of the system is implemented on the Microsoft stack in C#, the MS SQL Server database. In addition, the application contains many microservices on Node.js with various data storage tools, such as Redis, MongoDB, PostgreSQL. The application is run as part of a self-written web server in accordance with the standards described in the RFC.

I independently implemented all the functionality, and after the successful launch of the project, I assembled and trained a team of developers. I was certified for compliance with PCI DSS of one of the highest levels by an international auditor, I implemented a self-learning anti-fraud system using Machine Learning. I have solved the problems of fault tolerance and dynamic scaling under high loads.

Foxty – Moscow, Russia

2020 – present time

A marketplace with a hybrid B2C + C2C scheme. My own project.

Used is my favorite stack: Node.js for the server application, Redis and Sequelize + PostgreSQL + PostGIS for data storage, React.js + Redux for the partner store management web application, Swift and Kotlin for iOS and Android applications.

During the development of the platform, I wrote all the functionality of the project, implemented an electronic document management subsystem with the tax service and integration with two payment gateways. The first version of the iOS app was highly appreciated by Apple's auditors and was advertised for free on the main page of the AppStore during the celebration of Mother's Day in Russia. In the process of writing the code, I formed a team, established workflows, testing and publishing releases.

## Education

State University of Moldova, Bachelor of Science, Computer Science

2000 – 2005

## Side projects

In 1998, at the international Olympiad on Programming and Algorithms, which was held among two thousand winners of local competitions, I took second place.

In 2017, in my spare time, I made the application myself for ordering flowers, which was highly appreciated by Apple and was promoted on the main page in the AppStore during the spring holidays.

I like poker. The highest achievement is the 5th place in an online tournament out of 10 thousand players. In 2010, I conducted reverse engineering of the PokerStars app and wrote middleware for data analysis. Published the app for free use. In the same year, PokerStars officially blacklisted my application on its website.

In 2019, I independently wrote a distributed fault-tolerant poker engine, with fast, lightweight proxy servers that ensure both the privacy of the main server and high speed, allowing players from different countries to play at the same table in real time.