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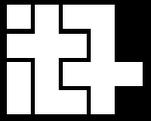
[Projects](#)

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We

· **CREATE** · **TEST** · **SUPPORT**
IT TEST

Complex industry-oriented
it solutions



About us

Areas of expertise



Blockchain



E-commerce



Cryptocurrency



Mobile



VR/AR



Geo-tracking & Navigation



Sport Tech



3D



Machine & E-learning



development

- Web/Mobile applications
- Desktop applications for Windows/MacOS/Linux
- High-load systems
- Corporate and industry portals
- Cryptocurrency services
- Geolocational services
- E-commerce services
- Machine learning algorithms
- Cross-Platform integrations
- Messengers and bots
- Individual IT solutions

QA testing

- Functional testing
- Automation testing
- Security testing
- Load testing
- Integration testing

design

- UX/UI
- Web interfaces
- Web/Mobile/Desktop applications
- 3D-modeling and animation
- Corporate identity



partners & clients

Yandex

AGIMA

oggetto

kasko2go



STM



Sirius

Staff-Hub

ВелоДрайв
Velodrive - Online
Bicycle Store

NKL

PROTEI



By reaching beyond presently available technology we dare to craft the future and reprogram reality.

Unique expertise

Your comfort is what drives us to do everything in our power to create steady operating IT solutions and expand digital potential. We do that by creating groundbreaking IT innovations and large-scale cross-platform VR/AR-enabled 3D software. Our expertise further manifests itself in mobile applications, blockchain and cryptocurrency technologies, sports and e-commerce solutions, and secure databases.

QA department

In our line of work, we constantly face the need for thoroughly testing the software and hardware. The complexity of the tasks led to the creation of the QA department, specializing in testing the most intricate IT systems. The unique expertise of our specialists and our ability to successfully resolve the most complex testing tasks quickly made our internal department a useful outsourcing tool for Russia's largest IT companies, big corporations, and digital media companies.

Personal approach

We work with people, not clients. This state of mind allows us to adapt to all our client's requests. Our team will always meet you in the middle with all your needs, be they financial, technical, or executive. And most importantly, we will create all your projects in the shortest timeframes possible. Our company also provides outsourcing services. We will help you reach all your goals and save your time in the process.



We create your comfort; we save your day by lifting the load of your shoulders.

Client

We provide innovative and sustainable solutions tailored to meet all the needs of our clients. We value ambitious projects and daring ideas. We create the future of IT for our clients. Our team will make sure to find solutions for the most difficult goals and resolve any challenges.

Professional growth

A love of technology unites us, and we believe in its power to move the world. Finding efficient solutions for the most challenging requests of our clients helps us grow professionally and broaden our area of expertise. We believe that no problem is unsolvable, and we promise to find the best approach to tackle all difficulties encountered on the road to our clients' goals.

Flexibility

Adapting to the circumstances and rising to the occasion is what we do. We understand that it is essential to reach an agreement that works for both parties. Our team is very experienced in working in different time zones, planning ahead and leveraging flexible development methodologies.



Streamity

Ecosystem blockchain & cryptocurrency



Yandex

Service testing



DoQA

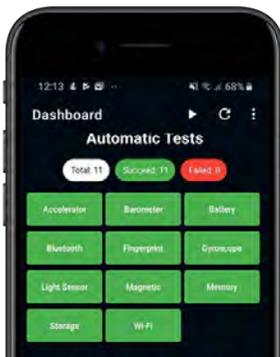
Project testing management system



FATS

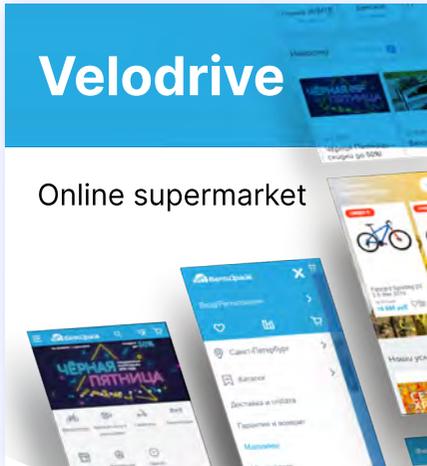


Platform for automated QA testing



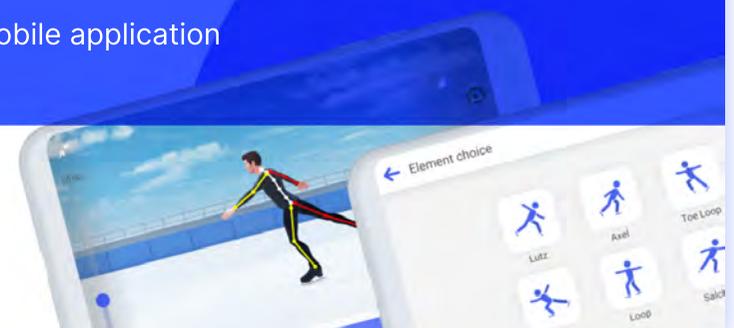
Velodrive

Online supermarket



Freezio

Mobile application

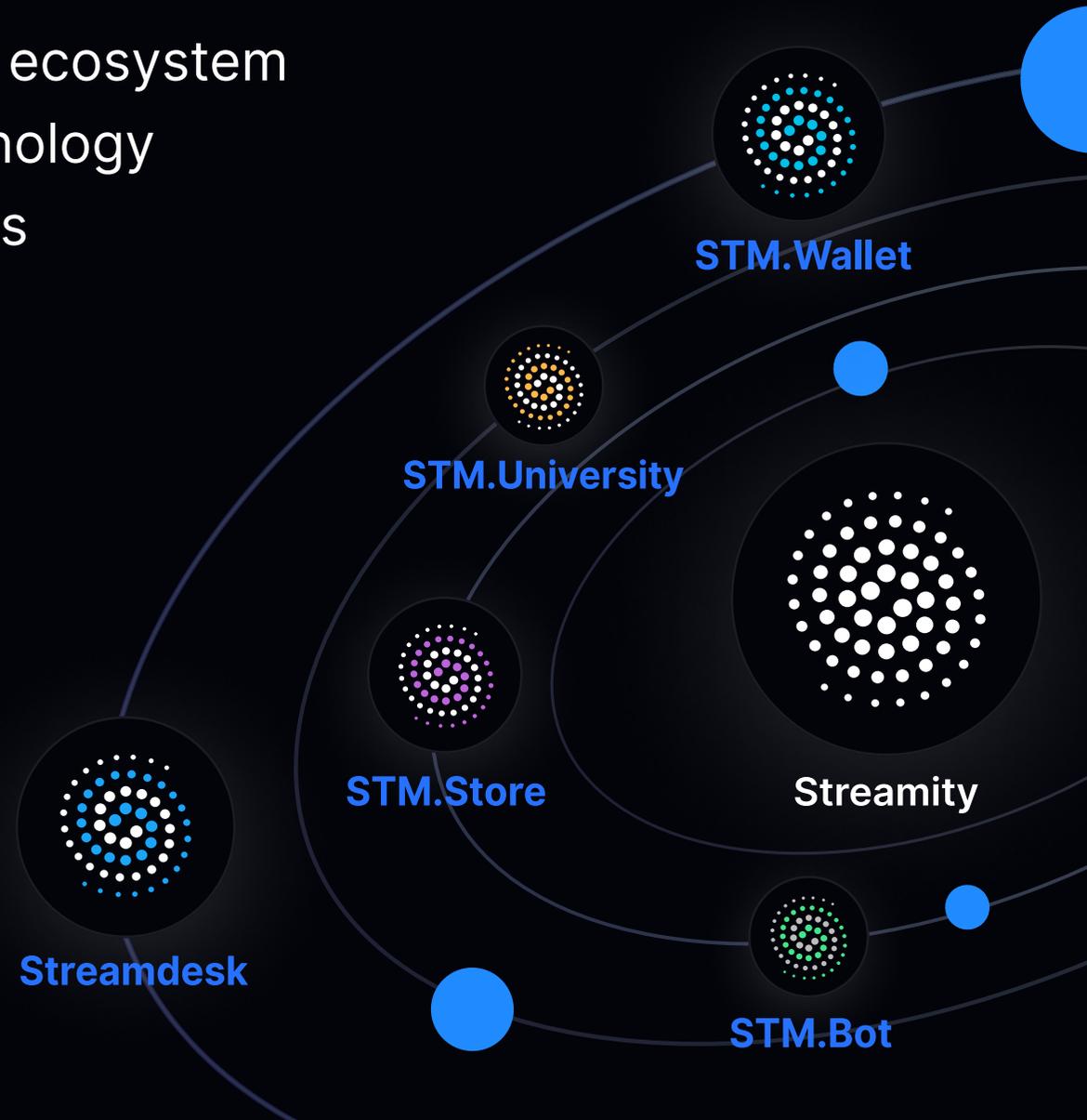




Streamity (STM) is an evolving ecosystem that promotes blockchain technology and brings together participants of the cryptocurrency market.

Neither the cryptocurrency nor the private user data, including keys, fiat money data i.e. cards, cvv, and passwords, are stored by STM.

- Decentralization is the key idea of the project.





The single hub of the **Streamity** ecosystem

The term “ecosystem” stands for a symbiosis of several unique platforms. These platforms support and further develop all its internal services using multi-level marketing. This modus operandi helps to spread the idea of the “decentralized world” and to make blockchain technologies more available.

Technologies:

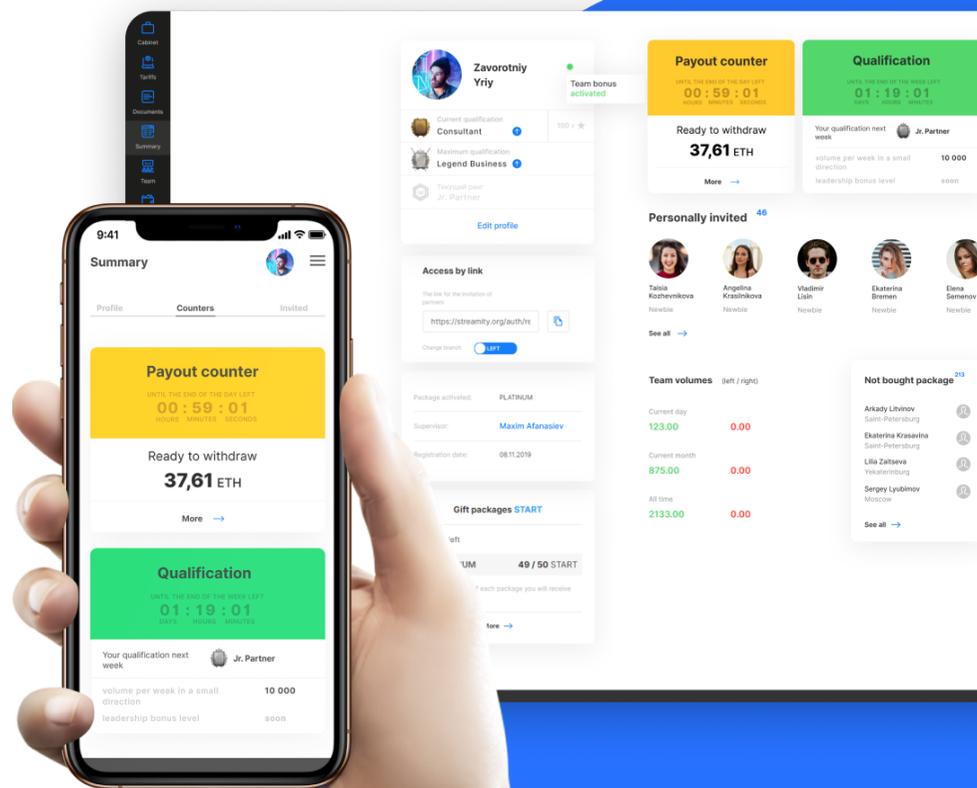
PHP, Laravel, NodeJS, Vue, Solidity, SPA, REST API, WS, MySQL (cluster), TeamCity, Docker, load balancing

Development timeline:

MVP launch - 4 months. Full integration - 3 months.
8000+ working hours

Team size:

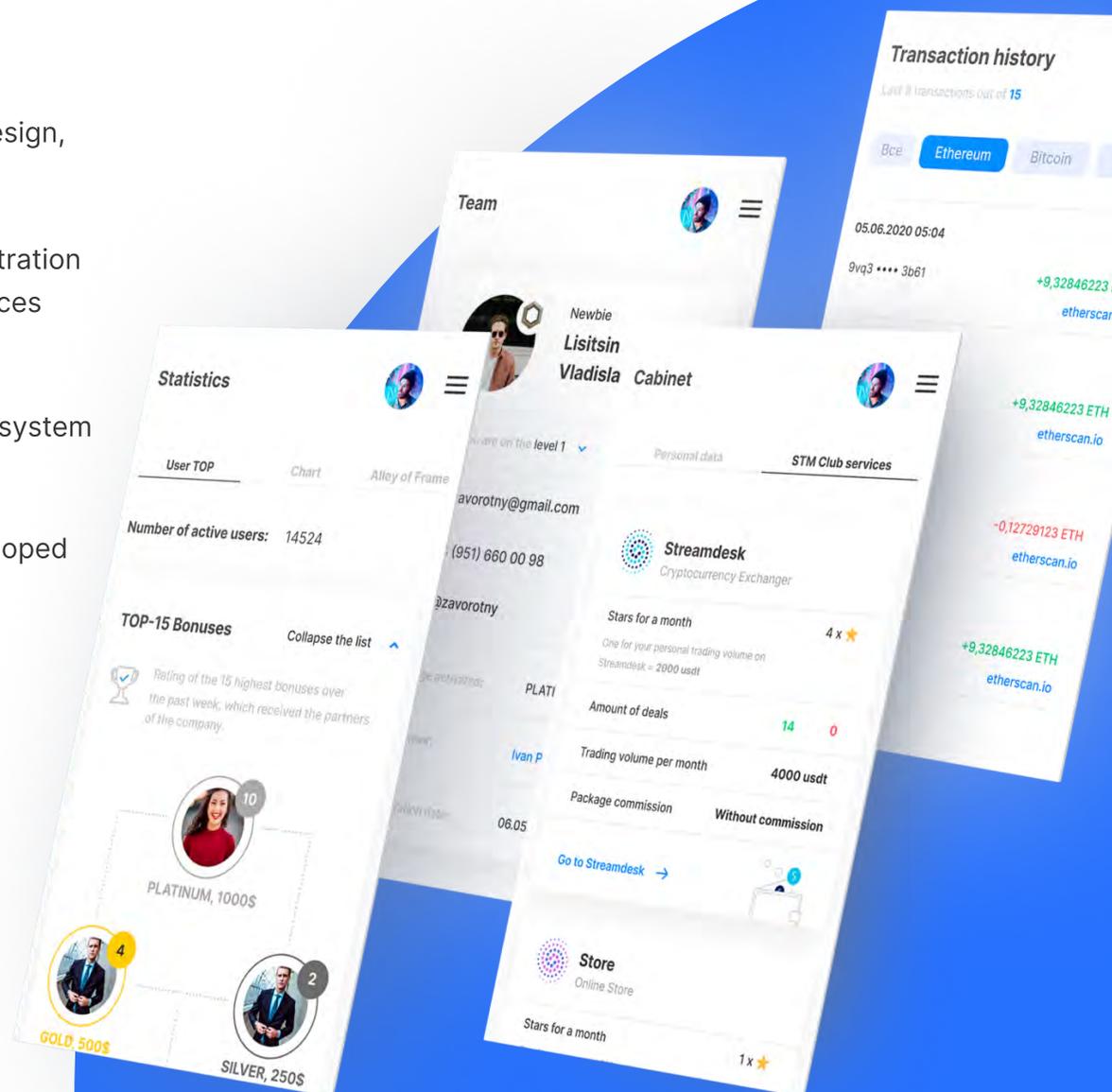
8–10 members





Accomplished tasks:

- We developed the corporate identity and the brand book. All promotional merchandise, as well as web and graphic design, were also done by our team.
- A unified system was integrated for authorization and registration of partners and users in all platforms and services. All services were also integrated into the system.
- A unified user account was developed for partners and ecosystem participants.
- A single membership plan and a loyalty program were developed and implemented. This applies to users of all products and services in the ecosystem.
- A complex unique system was developed and implemented for distributing earned and referral bonuses to partners and club members. Smart contracts were developed for receiving and granting bonuses and rewards to club members.



The information is relevant at the time of posting 2020.
The project is the active development stage.



Streamdesk

Streamdesk is a unique platform for exchanging cryptocurrency for fiat money using smart contracts and payment systems' APIs. Streamdesk allows users to exchange cryptocurrency directly among each other, operating with minimal fees and a loyalty program.

* The platform is secure because it does not store cryptocurrency and conventional fiat money has no access to users' wallets and users' private keys and passwords.

Technologies:

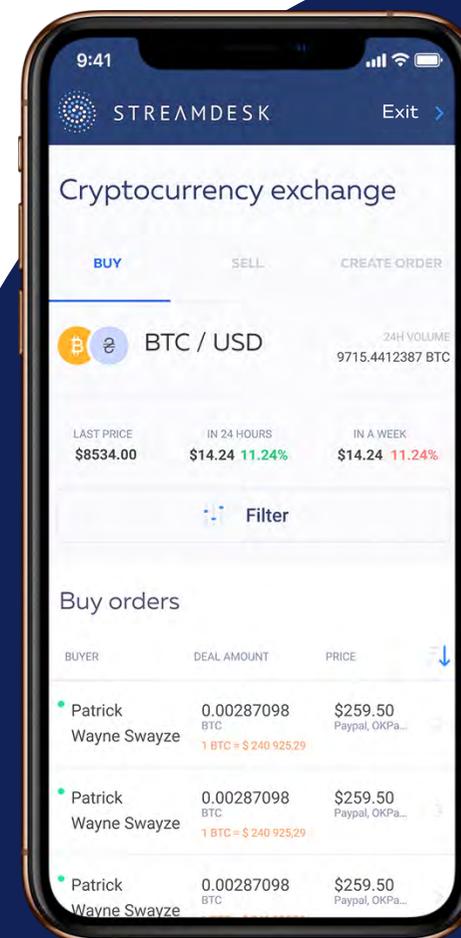
PHP, Symfony, NodeJS, Angular 6, Solidity, C#+NEO framework, SPA, REST API, WS, MySQL (cluster), TeamCity, Docker, load balancing

Development timeline:

6 months

Team size:

6-10 members





Accomplished tasks:

- We analyzed and refactored the legacy code that we got from the project made by the team of the previously hired company.
- We set up and running our own Bitcoin node.
- Our team also integrated key payment systems as well as major cryptocurrencies into the service.
- A native STM token was built for the system and provided with full follow-up support.
- Smart contracts were developed for the Ethereum and NEO blockchain networks.
- We developed a telegram bot making all the features of the system available to users.
- We carried out a complex system testing.

The screenshot displays the 'BUY / SELL' interface on the Streamdesk.io exchange. The interface includes a sidebar with navigation options: EXCHANGE, MY DEALS, and HELP. The main content area shows a 'CREATE ORDER' section with input fields for 'Min. amount', 'Max. amount', and 'Country' (set to 'Show all'). Below this, there are currency selectors for BTC and RUB, and a price display showing 'LAST PRICE' at P667,633.90. A green percentage indicates a change of 0.59045954% over the last 24 hours. The 'Buy orders' section is active, showing a table of orders with columns for BUYER, DEAL AMOUNT, PRICE, and ACTIONS.

BUYER	DEAL AMOUNT	PRICE	ACTIONS
Peter Peterson Jr.	0.0015 BTC 1 BTC = P698,733.3333	₽1,048.10 Yandex	Sell
Denis Baimukhametov	0.0016 BTC 1 BTC = P683,312.50	₽1,093.30 Yandex	Sell
Ekaterina Karpova	0.0018 BTC 1 BTC = P583,883.3333	₽1,050.99 Yandex	Sell
Valery Arkhipov	0.0071 BTC 1 BTC = P563,380.2817	₽4,000.00 Yandex	Sell



Mobile application STM.Wallet

A decentralized iOS / Android wallet application for storing, sending and receiving popular cryptocurrencies.



Backend:

NodeJS, Nestjs, typeorm, ethers, web3, mongoose, redis

Mobile client:

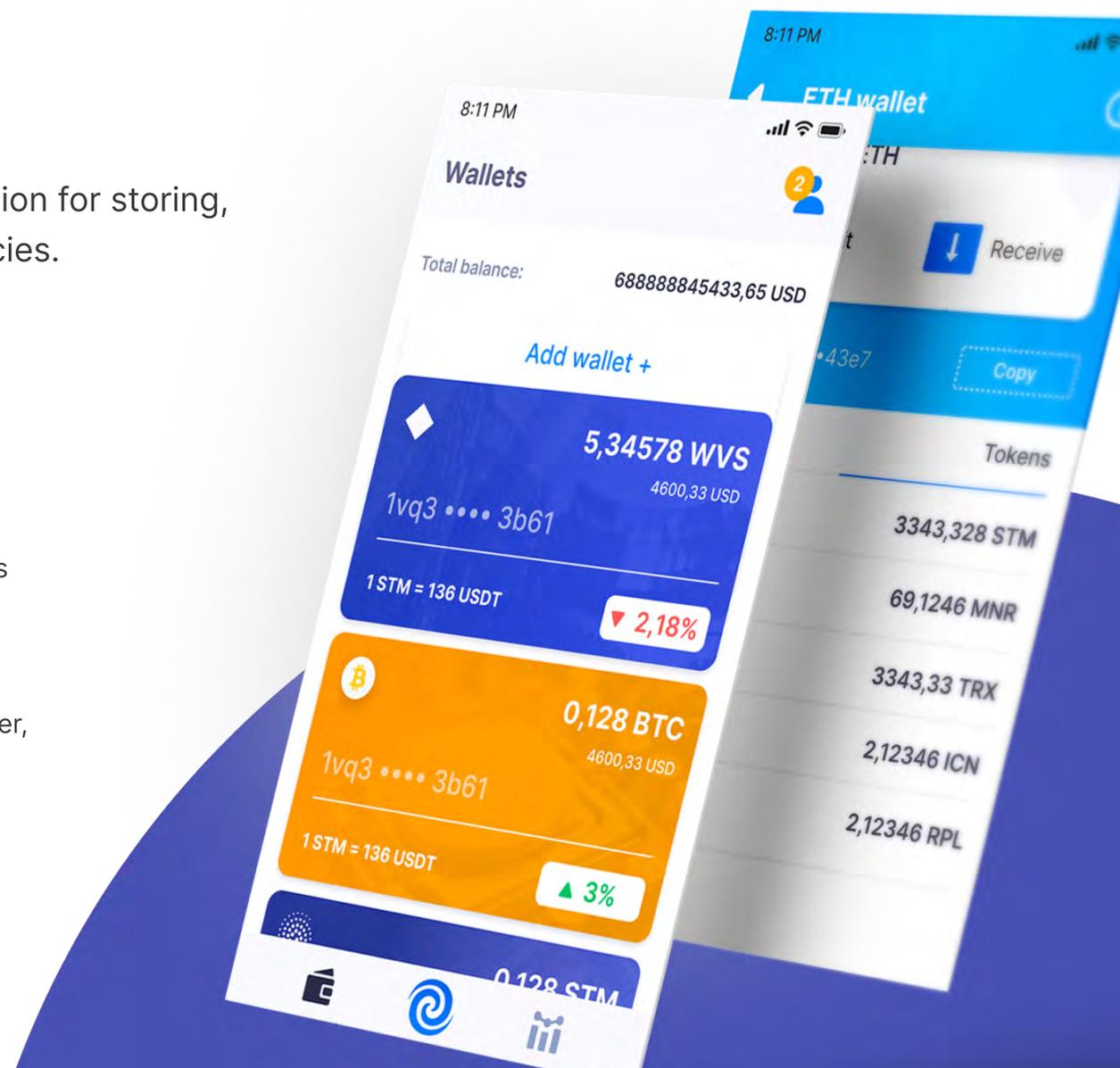
Dart, flutter, mobx, rxdart, web3dart, bip32, bitcoin_flutter, bip39, webview_flutter

Development timeline:

3,5 months

Team size:

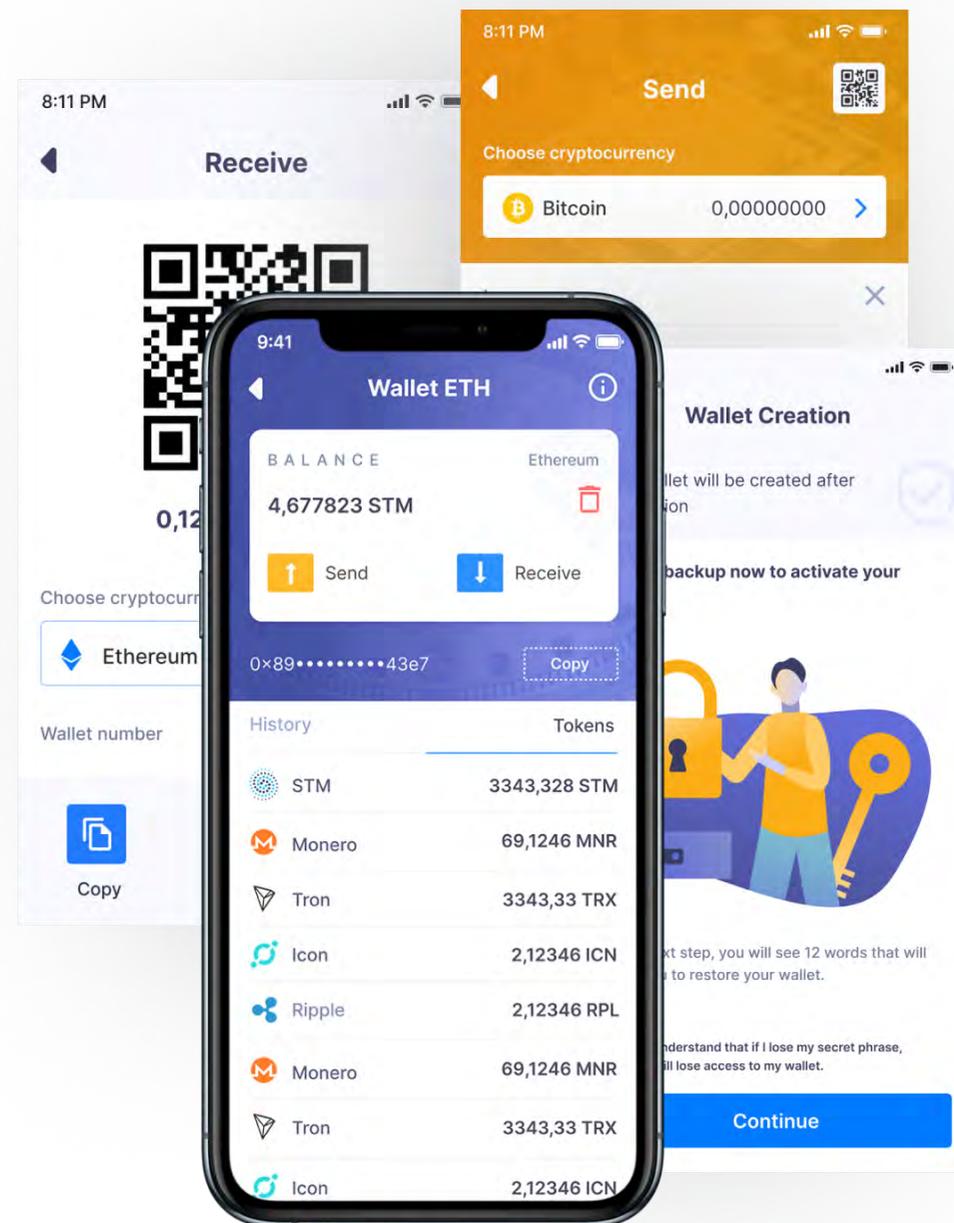
6 members





Accomplished tasks:

- Our team designed a contemporary user-centred interface, meeting all UX/UI requirements.
- We implemented a cross-platform mobile solution.
- Our team integrated Bitcoin and Ethereum Blockchain networks into the system and customized libraries interacting with Blockchain.
- We designed and implemented a special functionality responsible for storage and management of the STM token.
- We implemented a decentralized crypto-wallet data storage system.
- To further secure the system we opted for exclusively local storage of all private information.



The information is relevant at the time of posting 2020.
The project is the active development stage.



There are also other STM services that our team has implemented as a part of the development and promotion campaign of the **STM ecosystem**:



STM.University

stm.university

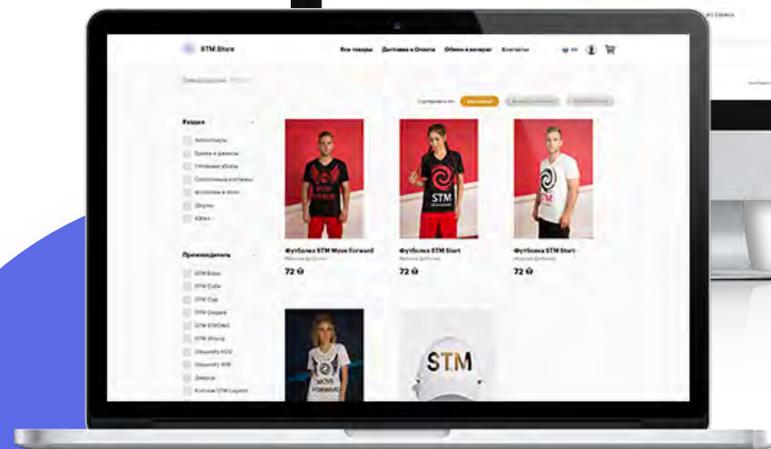
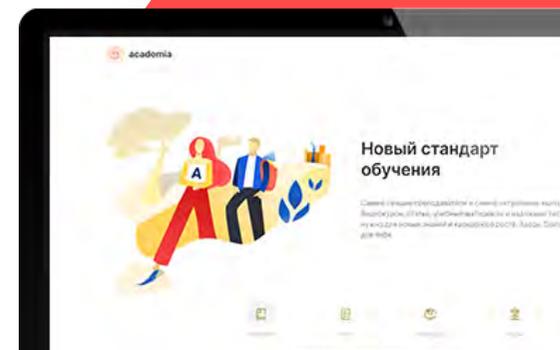
Educational, decentralized marketplace for fast and qualified training accepting payment in STM tokens.



STM.Store

store.stm.club

Online store selling club's promotional merchandise paid with cryptocurrency and STM tokens.





Partnership with Yandex

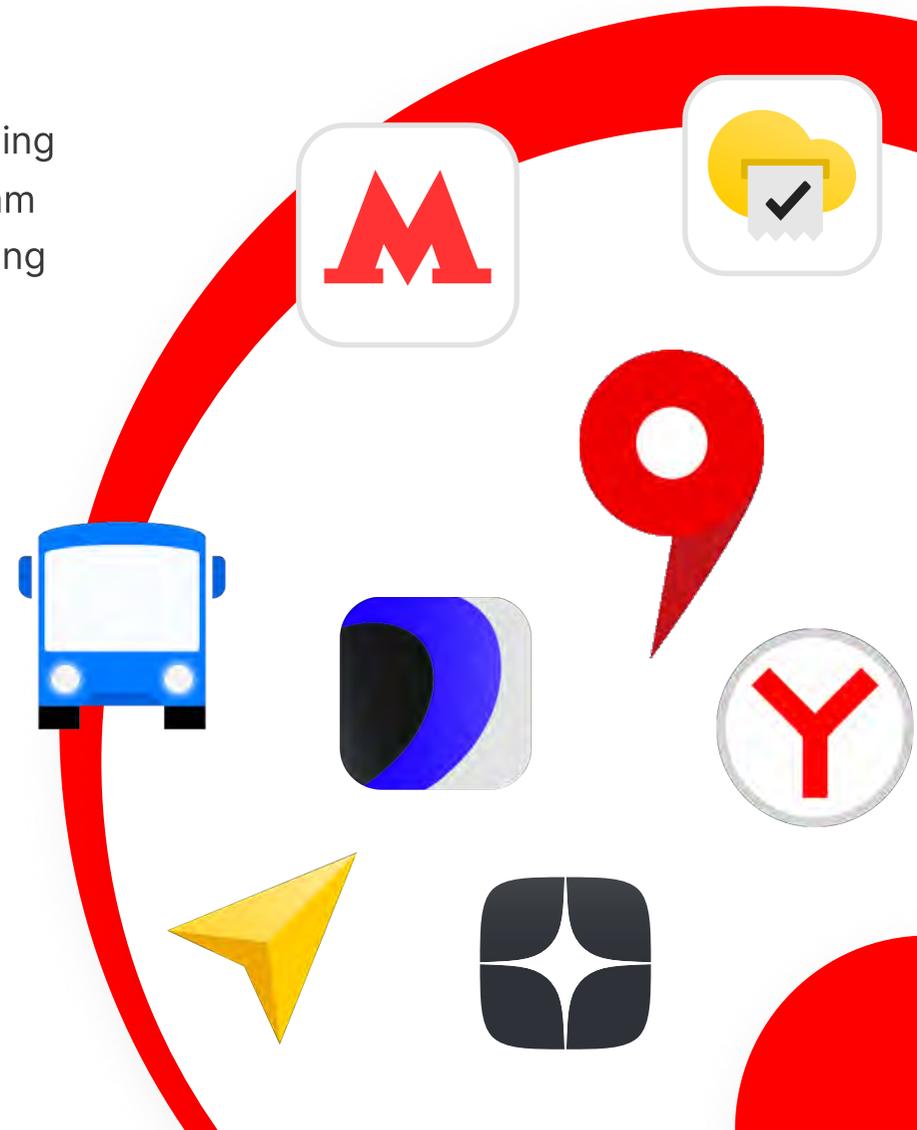
Yandex is the number one search engine and the largest IT holding in Russia. Within the scope of our **2,5** years partnership, our team performed both manual and automated complex functional testing of the key services of Yandex.

Partnership timeline:

2,5+ years

Team size:

When we started our collaboration, the team consisted of 5 members. By the end of 2016 it grew up to 29 people and in late 2017 almost doubled to 58 members in total. A total staff turnover is an example-setting number of less than 4%!





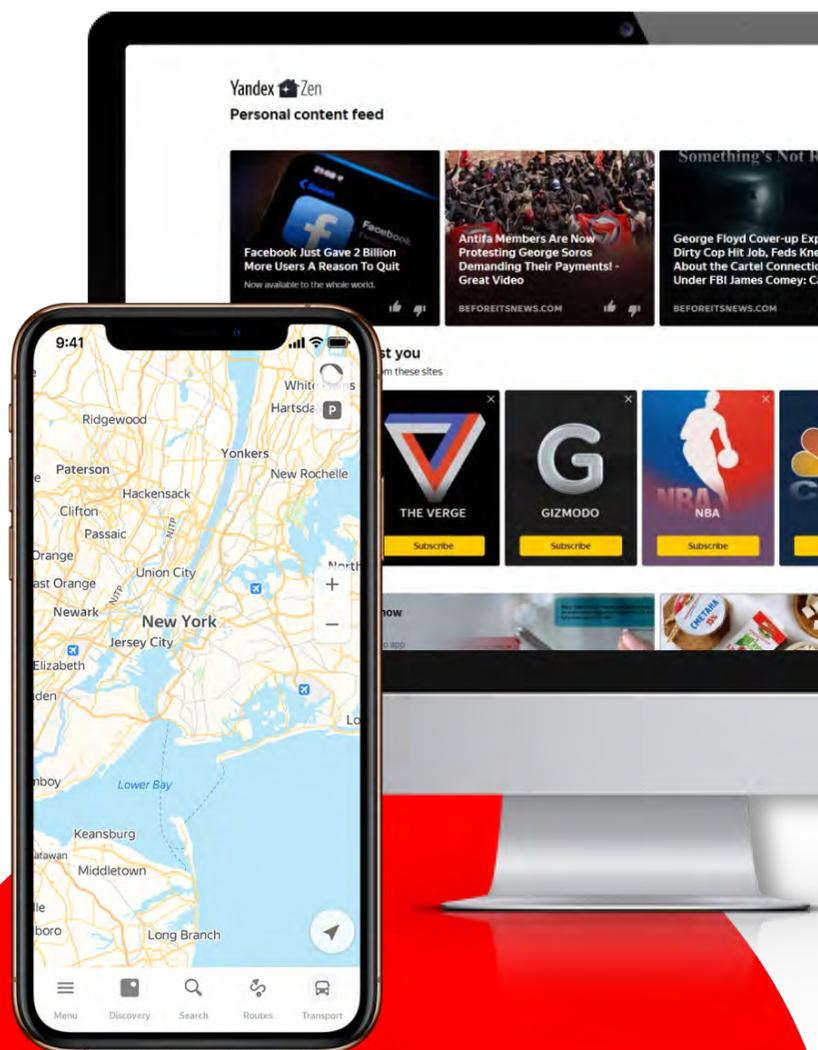
Accomplished tasks:

In a short timeframe, we established an end-to-end process of complex functional testing of the company's products and services. Our specialists were also successfully incorporated into the Yandex team and the production process of the company. The demand for testing services was so high that we created and are still successfully running our own centre for professional training and retraining of QA engineers.

List of the services tested:

- Yandex.Browser
- Yandex.Maps
- Yandex.Zen - personal content feed
- Yandex.Navigator
- Yandex.Transport
- Yandex.Metro
- Yandex.OFD
- Yandex.Drive - carsharing

The information is relevant at the time of posting 2020.
The project is the active development stage.





Online bicycle hypermarket Velodrive

Velodrive is the largest online hypermarket in Russia selling bicycles and accessories. It lists over 18000 items and has over 1 million views per month. Velodrive needed to launch a new version of their online store before the start of the 2019 sales season. They contacted us after many unsuccessful attempts of trying to work with other companies. The deadline was very tight, as we had to launch in a maximum of 3-4 months from the website template stage to the fully working platform with implemented features and code refactoring.

Technologies:

Bitrix/PHP/Vue/JS/HTML/CSS

Team size:

4-8 members

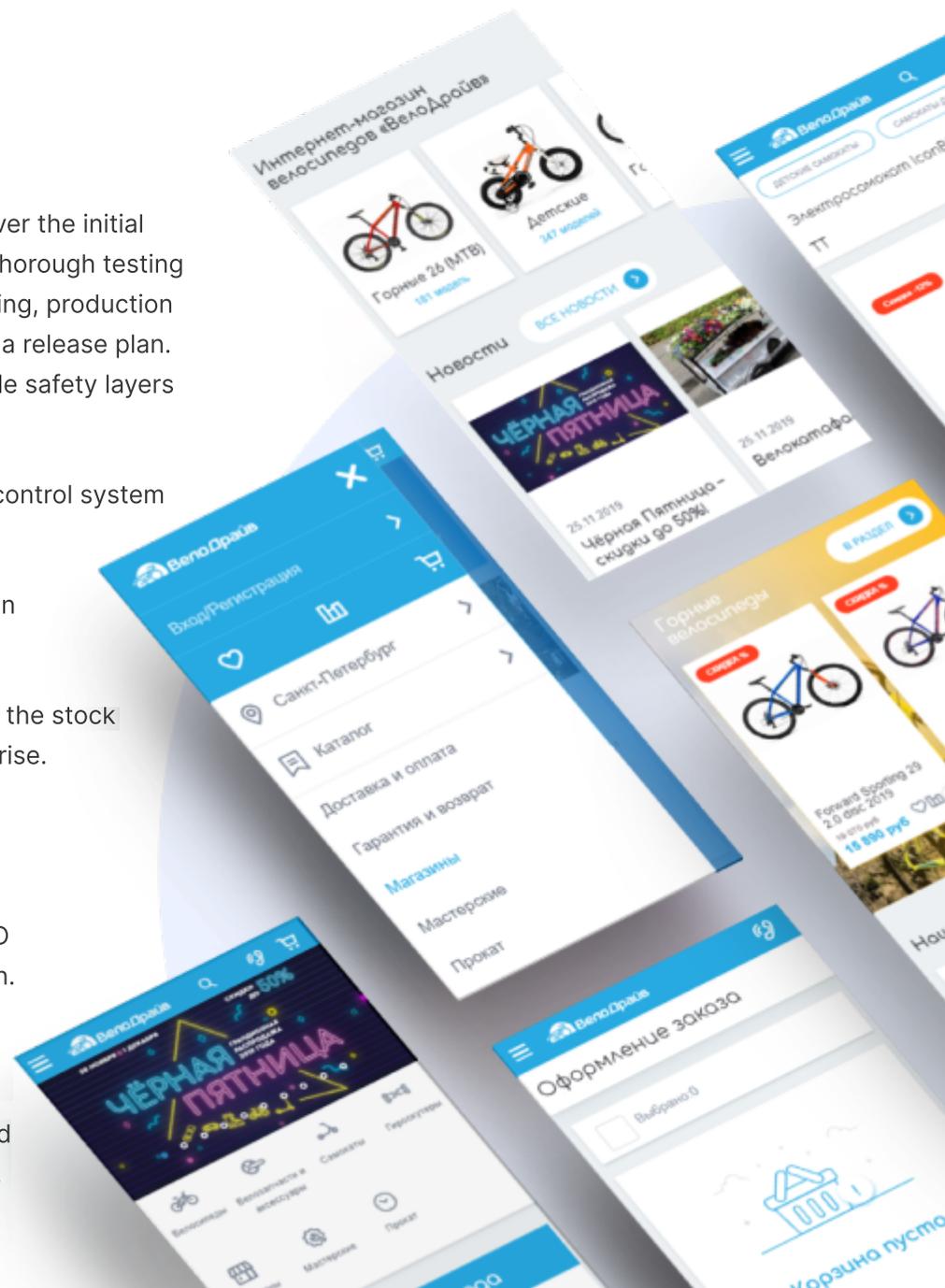
The information is relevant at the time of posting 2020.
The project is the active development stage.





Accomplished tasks:

- We conducted a thorough analysis of the template's weak spots.
- Our team set up the project's technical infrastructure, including the control over the initial Git code, created staging and testing sites for the developers, introduced a thorough testing system. The testing is performed in several stages – development stage testing, production stage testing and continuous regression testing. Our team also implemented a release plan. All the above helped us to create a steady operating lifecycle that has multiple safety layers preventing any future problems.
- We created flexible project managing methodologies and a task setting and control system was established. We optimized the key pages loading speed.
- We launched an adaptive mobile version of the website, resulting in more than double increase in traffic from mobile devices.
- Our team optimized and sped up the synchronization of the listed goods and the stock with the customer's accounting and record-keeping ERP system – 1C: Enterprise.
- We launched a new website along with the existing old version and managed to keep all previously established SEO infrastructure intact.
- We added new pages and features. Our team also optimized the regional SEO and set up the regional dependency of the stock and a multi-website solution.
- While working with the legacy code from the original version of the website we faced many problems such as slow loading speed and slow integration of the new features. Our team optimized the code, bringing the loading speed up by 60% and making the new features development process fast and easy.





Freezio Figure Skating mobile application

Freezio is one of our in-house developments. This application is designed to help understand the standards and fundamental knowledge set for figure skating jumps with the use of high definition 3D models. The crucial distinction between Freezio and classical 2D training guides lies in the possibility to look at the element from different angles, slow down the speed of execution to fractions of a second and zoom in or out the camera on the athlete, performing the jump, simultaneously rotating the figure in different axes.



App Store rating **5,0**



Google Play rating **4,9**

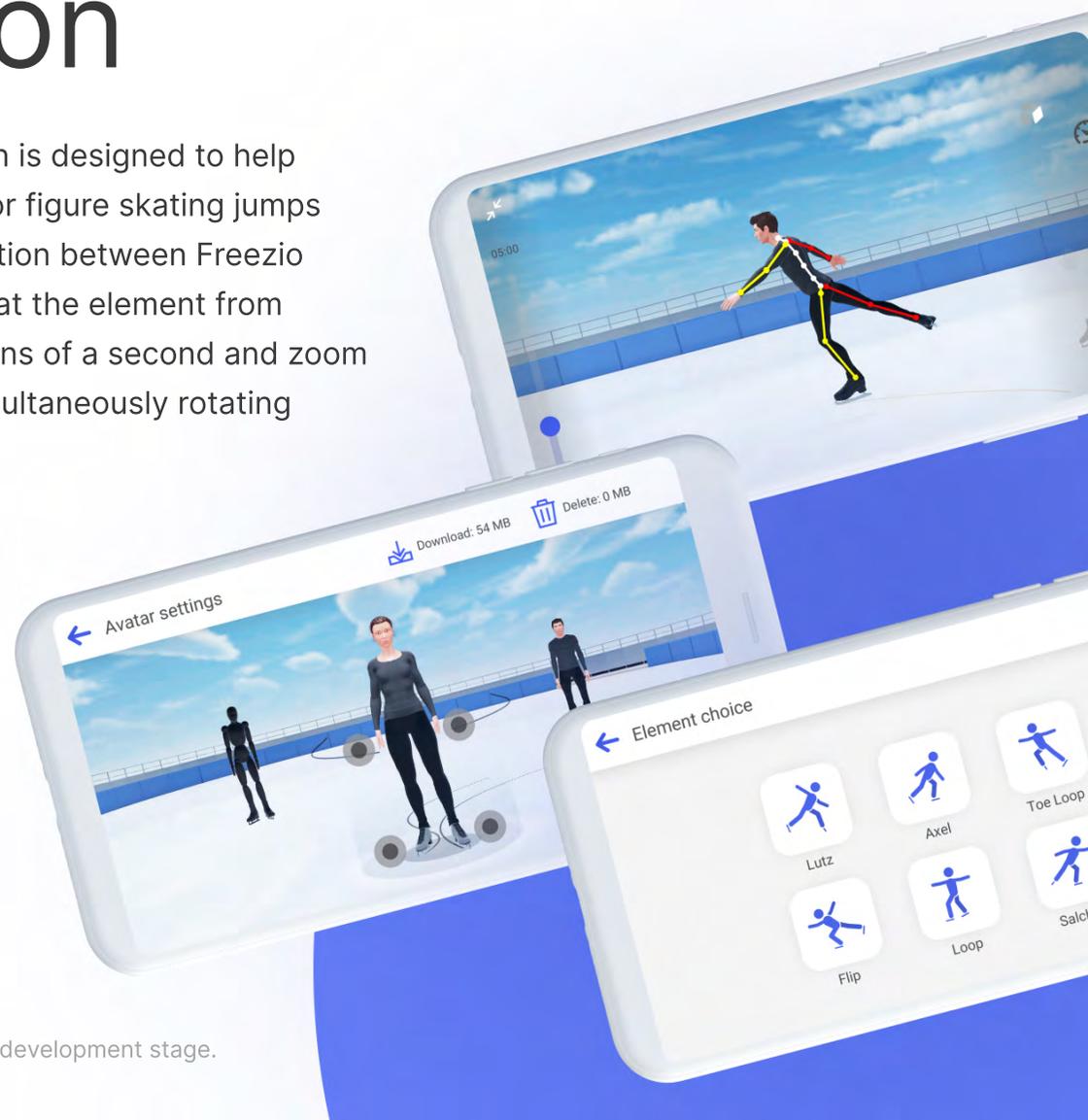
Technologies:

C#, Unity3D, Java, Python, ML, Autodesk Maya, motion capture, matlab

Team size:

8 members

The information is relevant at the time of posting 2020. The project is the active development stage.





Currently, we launched the first application from the Freezio family. The 3D tutorial contains a large amount of educational material on figure skating jump elements. This visual guide helps to bridge the gap between fundamental knowledge and its visual representation. You can choose from the database of different animated models, rotate, and scale the objects, rotating in all axes and chose any angle to thoroughly observe all the complexity of the element.

The second application in the Freezio family is called Freezio Move.

It is in an active development phase. This will be a software-hardware complex aimed to spot any inaccuracies in the figure skating elements and conduct further analysis of the elements performed by the user. This app will take all personal physical characteristics of the athlete into account, as well as age and gender. Freezio Move uses technologies such as artificial vision, pose estimation and AI training to thoroughly analyze users' photo and video materials and compare them with the perfect execution example from the database. The goal of this technology is to make professional analysis

and mistake evaluation accessible. Currently, this is performed by a hired coach. Freezio Move will give the opportunity to have a perfect evaluation of the movement eliminating the human error factor. An error in estimation is a common affliction because the speeds in the figure skating elements are too high to be spotted with the naked eye. The best part of this application is that all this technology will be packed in a mobile device granting access to everyone everywhere at any time.





FATS is a platform for automated device testing

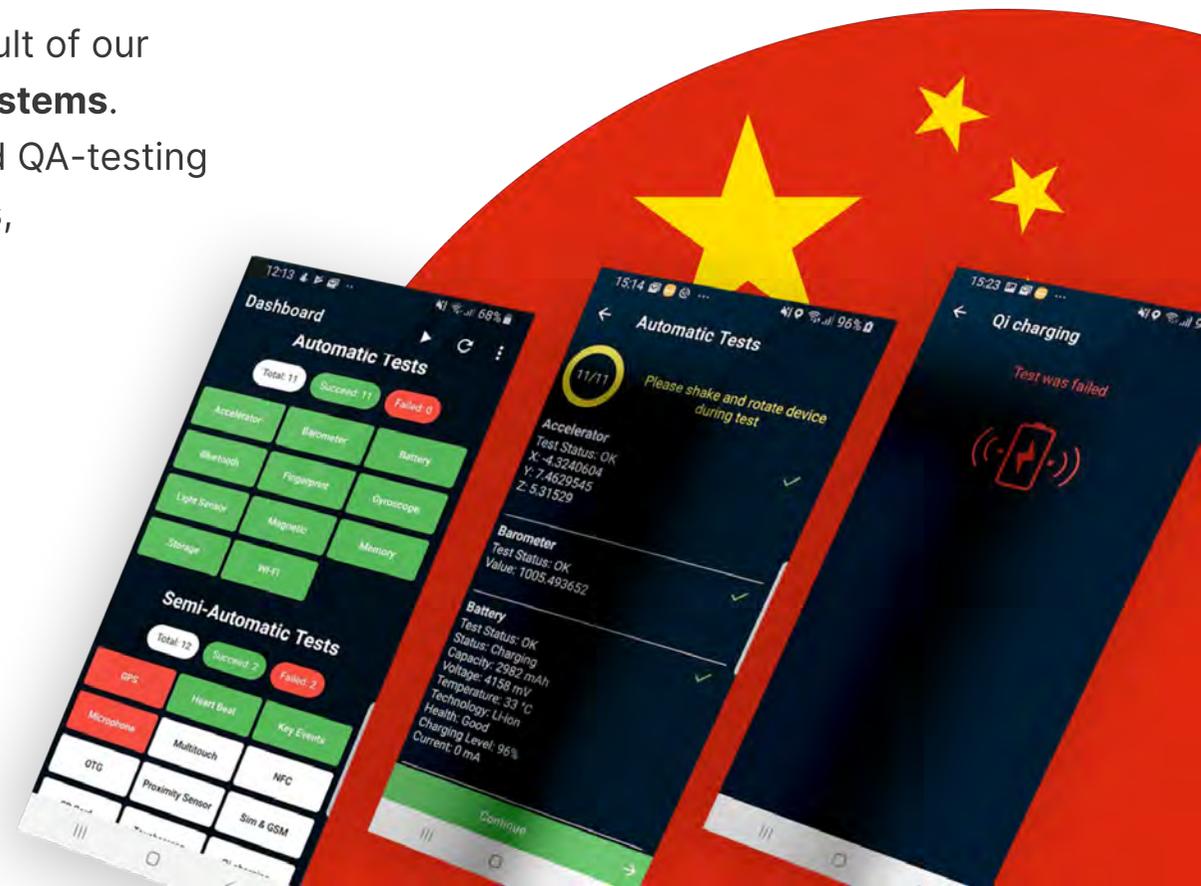
This automated device testing platform is a result of our partnership with the **Chinese company NKL Systems**. FATS is made to perform a real-time control and QA-testing of the assembly quality of smartphones, tablets, IOT-devices, and any other electronic products on the production line.

Technologies:

Java, python+django, angular, kotlin, html, css, js

Team size:

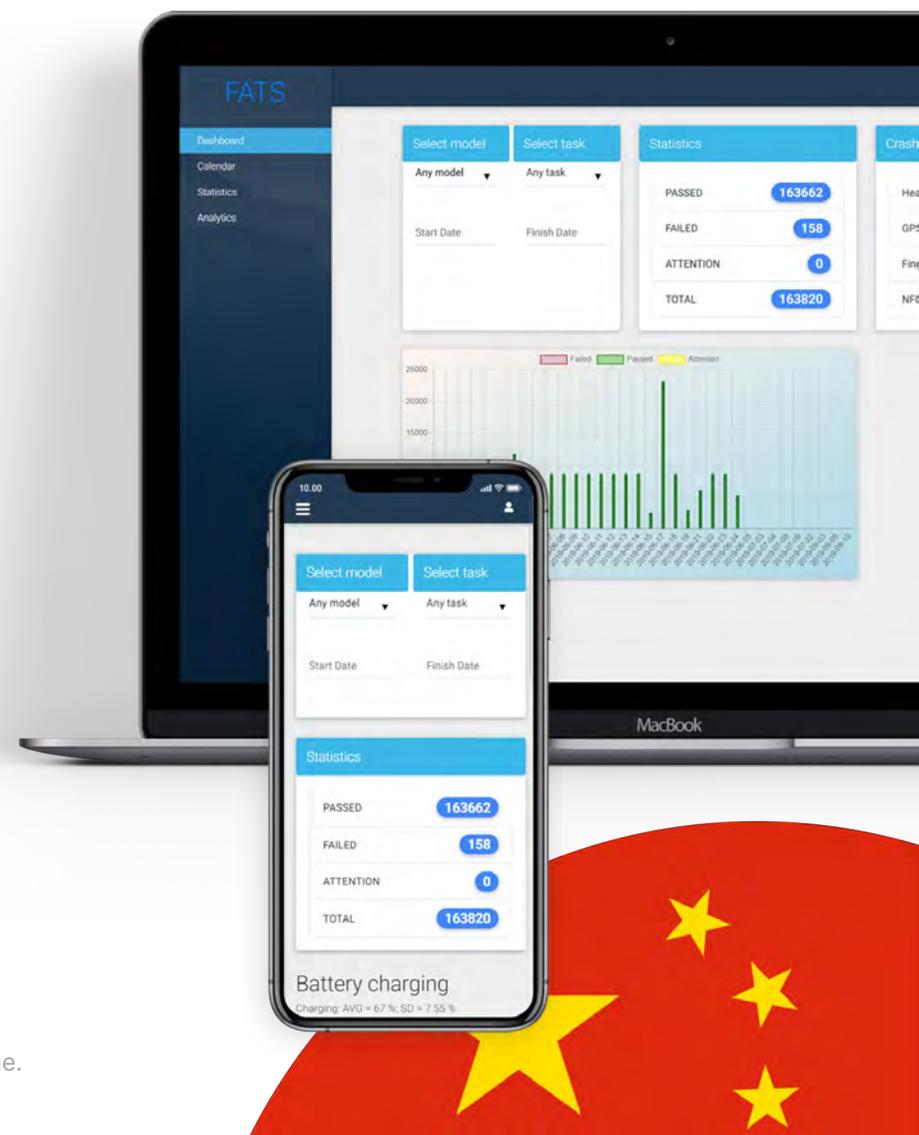
3–6 members





Accomplished tasks:

- We developed a mobile application running on the android allowing us to perform more than 40 different tests.
- We set up the tunable server-side part of the platform which allows deploying the application to any cloud servers of the customer.
- We also created a user-friendly web-interface for the end-user working with the test results and data analysis.
- Our team adapted FATS' key features for usage in service centres and smartphone trade-in centres.
- We created a flexible architecture in the application which allows you to customize it for any customer needs.
- FATS.AI can be installed on the client-side server or accessed from our cloud server and fits perfectly with any ERM and CRM system.
- We are currently testing an automatic display defects detection feature using Computer Vision.





DoQA is a software testing management system for IT projects

DoQA is a powerful tool made to increase the efficiency of your company's QA department. The system makes QA department work easier, simpler, and more structured. We faced the need to create our own test management tool when, after working with all presently available tools on the market, we found a severe lack of the functionality we needed on a daily basis.

Technologies:

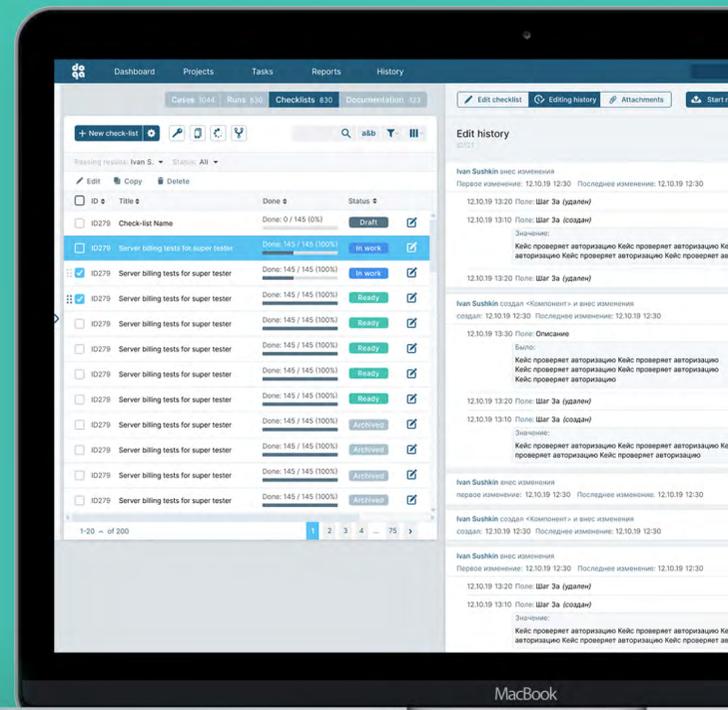
Go, Angular 2+ (not complete yet)

Development timeline:

6 months

Team size:

8 members



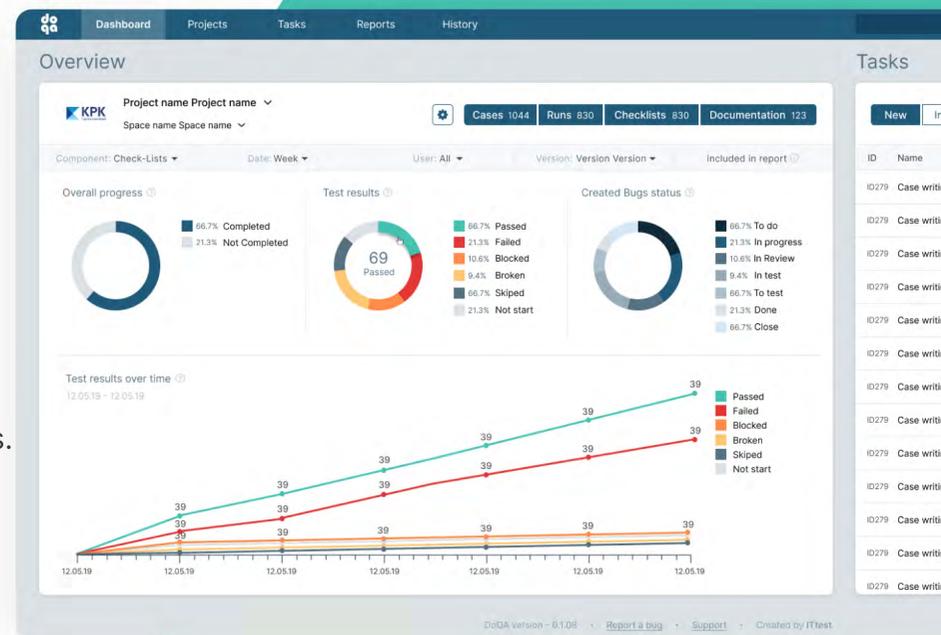


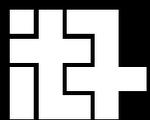
The key features are:

- A pleasant UI which does not overwhelm you, allowing you to stay focused while working long hours.
- A simple and intuitive UX that saves your time and effort by structuring all system's components in right, logical order, creating test cases and checklists, generating shared steps for various projects and much more.
- The system provides you with a personal file repository.
- You can customize the interface to fit any team's workflow requirements.

Accomplished tasks:

- We made a thorough market and target audience analysis.
- Our team made sure that along with standard infrastructure logic the project also has a business logic. This step is often neglected, often leading to bad customer experience.
- We created a prototype.
- DoQA design was developed to meet all contemporary UX/UI requirements.
- We developed the core's back-end features.
- We implemented the front-end architecture.
- We are currently at the MVP stage of development of the project.





Thank you for your attention

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