



# Mikhail Nasyrov

## Senior Software Engineer

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## Summary

I lead a frontend team and work on building a video conference service. Going each step from a Software Engineer to a Team Leader helps me **build strong teams**, where every member makes an individual contribution to a common goal.

I have **15+ years** of experience in software development and had a chance to create complex **frontend and backend** services for various applications, working with different technology stacks and paradigms.

I keep constantly learning new, and I'm open to new ideas. I develop two **open source projects** for frontend apps: [Ditox.js](#) - a dependency injection container, and [RxEffects](#) - a reactive state and effect management.



## Qualification

### General

- Software development, architecture, analytics
- Team leading and mentoring
- Master of Science in Information Technology

### Frontend

- Javascript, Typescript, Flow.js
- React, Redux, Electron, RxJS, Angular, Cordova, Ionic
- WebRTC, WebSocket, gRPC, JSON-RPC
- REST API, HTML, CSS

### Backend

- Java, Kotlin, Javascript, Python, C#
- Spring, Hibernate, RxJava, Node.js
- Docker, Nginx, HAProxy



## Experience

### [Sberbank of Russia PJSC](#)

Mar 2021 – Present  
(10 mos)

#### Frontend Team Lead | [Jazz](#) – a video conference service

I work for the SberDevices department and lead a frontend team, which develops a video conference service.

My responsibilities:

- Developing web and desktop applications.
- Developing an SDK to integrate the video service to the third-party web applications.
- Reviewing analytics and requirements for new features.
- Managing a technical stack and backlog for the web project.
- Planning sprints according to a roadmap of product owners.
- Defining processes for the frontend team.
- Making code reviewing and mentoring the team.

After handing the project over to me, the following had done in 3 months:

- Reviewed the state of the project and made a technical roadmap.
- Grew the team to 6 people since only one developer remained from the previous team.
- Stabilized video calls and delivered applications to public beta access.

**Technologies:** Javascript, Typescript, React, RxJS, WebRTC, Electron, Node.js, IndexedDB, Dexie.js, Ditox.js, RxEffects, Effector.js, Jest, Playwright, Webpack, HTML, CSS, Python, Docker

### [Dialog LLC](#)

Mar 2019 – Mar 2021  
(2 yr)

#### Lead Software Engineer | Dialog – an enterprise messenger platform

I worked on a web platform for an enterprise messenger, including developing core and SDK components, web and desktop applications. I designed some of the main parts of architecture and created low-level pieces of the platform like a database layer and gRPC API clients.

Alongside frontend development, I supported a backend service for proxying gRPC API calls from web applications to microservices.

I mentored teammates, performed code reviewing and conducted technical interviews.

**Technologies:** Javascript, Typescript, Flow.js, React, RxJS, Jest, Electron, Node.js, Java, HTML, CSS, Webpack, Dexie.js

## Monento

Jan 2016 – Mar 2019  
(3 yr 3 mos)



### **Founder, Lead Software Engineer** | Monento – a personal finance app

Launched own project Monento - a personal finance manager. It is a cross-platform application on a frontend side and microservices on a backend side. I published it in Apple AppStore, Google Play and Snapcraft. The following developed:

- Cross-platform application for Android, iOS, macOS, Windows and Linux.
- Replication service for syncing mobile clients. It uses CRDT operations and end-to-end encryption.
- Billing service integrated with the Keycloak authentication server and the application stores such as Apple AppStore and Google Play.

**Technologies:** Typescript, Javascript, Angular, Cordova, Ionic, Electron, Node.js, Java, Kotlin, PostgreSQL, HTML, CSS, Webpack, Docker.

## Xored Software, Inc.

Oct 2011 – Dec 2015  
(4 yr 3 mos)



### **Team Lead** | Outsourced software development

My responsibilities were software development, system analytics, project planning, architecture design of applications and systems, researching and prototyping. I led a team of 7 engineers and handled communication with customer teams. Mentored teammates and did code reviewing.

#### **Projects:**

- Spirent Velocity – a platform for labs that unifies device test and network topology automation.
- Cisco Prime Infrastructure – a solution that simplifies the management of wireless and wired networks, monitoring end-user connectivity and application performance.
- LogAnalyzer – a plugin for the Jenkins CI server that analyses big build logs by a custom PEG-parser and provides structured output.

#### **Technologies:**

- JavaScript, React, AngularJS, Dojo, Fantom language, HTML, CSS
- Java, JavaEE, Spring, Hibernate, Tapestry, Arquillian, Wildfly, Tomcat, JUnit, Maven
- Python, Django, C++
- PostgreSQL, Jenkins

## Novoprof B.V.

Jan 2008 – Aug 2011  
(3 yr 8 mos)



### **Software Engineer** | Outsourced software development

Web and desktop app development. Analysis of tasks and product requirements, estimating and prototyping solutions. Participation in designing app architectures. Performance optimization of apps and databases. I had the experience of working with distributed European teams.

#### **Projects:**

- Yuki – a financial accounting service for small businesses (Yuki Works B.V.)
- Simultop – a financial risk management software (Themasoft B.V.)
- CloudCasting – content broadcasting service (Novoprof B.V.)
- Family+Friends – online family organizer (FamilyWare B.V.)
- MOEPS Client app – a part of MOEPS - monitoring and reporting system for sea vessels which allowed to reduce CO2 emission by 17% by operated vessels (Norient Product Pool ApS)

**Technologies:** C#, VB.NET, ASP.NET, WPF, WinForms, MS SQL, JavaScript, AJAX, JQuery, NUnit, NAnt, MSBuild.

## ARL Consulting B.V.

Jul 2007 – Dec 2007  
(6 mos)



### **Software Engineer** | e-Yield – a booking service for cargo delivery

My responsibilities were web application development, task analysis, estimations, implementation and testing.

I worked on the eYield project – booking service for cargo delivery. I assisted a project manager and business analysts to elaborate features and make task estimations. I developed parts of the web application in C# and .NET framework. Occasionally, I took part in a manual testing session to help QA deliver releases.

**Technologies:** C#, ASP.NET, MS SQL, JavaScript, HTML, CSS, web services.

## Softomate

Jul 2005 – Sep 2005  
(3 mos)



### **Software Engineer**

I worked on the development of extensions for the Mozilla Firefox browser.

**Technologies:** JavaScript, XUL platform, HTML, CSS, PHP, MySQL.



## Education

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**Master of Science** in Information Technology and  
Computer Engineering

Novosibirsk State Technical University,  
2001 - 2007

Majors:

- Computer analysis and data interpretation
- Computers, computer systems, and networks



## Languages

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- English - B2 Upper-intermediate
- Russian - Native



## Contests

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- ACM-ICPC 2002/2003 NEERC (semifinal)