

# Aliaksandr Charnashei

**React, React-Native  
& NodeJS developer**

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## Summary

Software developer with 5+ years background in commercial software development

Hard working, detail oriented and able to multitask effectively

Strong knowledge of OOP, Design patterns

Capable team player with good communication skills

Excellent knowledge in React Native (Android and iOS platforms)

Extensive expertise in JavaScript (ES6/ES5), ReactJS and NodeJS

## Skills

**Languages:** Javascript (EcmaScript 5/6), TypeScript

**JavaScript Frameworks:** React Native, React JS + Redux, express (NodeJS)

**Web Technologies:** EcmaScript 5/6, HTML5, CSS3, SASS, Bootstrap, Material-UI

**Web Frameworks and Tools & Libraries:** Redux, Redux-Saga, React-navigation, Reselect, React-native-navigation, Redux-form, Redux-actions, React-native-push-notification, Redux-persist, Reactotron, Webpack, ESLint, Babel, NPM, Yarn, Expo, Google Maps, TestFlight, Firebase

**Testing and automation:** Chaijs, Mochajs, Bitrise, CircleCi, detox, fastlane

**OS Platform:** Mac OS, Mobile platforms (iOS and Android), Microsoft Windows Family

**IDE and Environment:** Android Studio, Xcode, WebStorm, Visual Studio Code

**Version Control Systems:** GIT

**Methodologies:** Scrum, Kanban

**Issue tracking tools:** JIRA, Trello

## Experience

### Microsoft (Skype) / Software engineer

MAY 2021 - PRESENT

#### Responsibilities:

- Creating experiments and launching them in limited environment
- Implementing new features (Typescript, Jest)
- Updating internal e2e-test framework & creating tests for calls using it
- Code reviewing
- Increasing calls stability and quality (triaging and fixing reported bugs)
- Adding new metrics to measure call statistic

#### Recent projects:

##### #1 Teams for Web/ Skype for Web

Stack: Typescript, jest (lots of internal tools I'm not sure I could share 😊)

Accomplishments:

- Added Mac platform (Safari) as a target for non-functional testing
- Measured how RED audio codec extension affected on calls quality & worked on implementing it's usage
- Added and keep maintaining e2e tests for new video-quality feature

### iTechArt-Group / Software engineer

SEPTEMBER 2015 - MARCH 2021

#### Responsibilities:

- Create cross platform mobile applications from scratch
- Writing native modules in Java and Objective C
- Applying social-network authentication (Google, Facebook)
- Investigate & estimate projects/features
- Create applications designs, UI & UX
- deep linking functionality, gallery, push-notifications, analytics & bug tracking utilities integration, etc.
- Communication with customer
- Code review
- Bugfixing

#### Recent projects:

#1 Mobile assistant for vehicle carriers in US (react-native mobile app and node.js proxy)

Stack: react-native, ES6, redux, redux-saga, redux-persist, detox, jest, mocha, axios, react-native-navigation, firebase app distribution, node.js, type-script, AWS, docker

Features:

- Taking pictures of the vehicles before pick up and drop off
- Placing damage marks right on the photo and move them (nested pan responders with drag & drop)
- Tracking geolocation and requesting available loads based on geodata
- Signing documents right in the app (signature view implementation)
- Selecting estimated date of arrival (calendar view)

**#2** HQ Trivia-like mobile game where the main goal is to predict bitcoin appreciation/depreciation in the following 10 seconds. In the end of the game money prize is shared among participants who answered correctly 10 times in a row

Stack: react-native, ES6, redux, redux-saga, redux-persist, react-navigation, socket.io, TestFlight, firebase

Features:

- Sending and receiving real time messages using websockets
- Scheduled and remote push notifications (firebase)
- Firebase and Amplitude analytics
- Bi-directional list of crypto-currencies with live prices updated by websockets
- Live game with background timers

**#3** White board collaboration service with audio and video calls powered by WebRTC (web and mobile clients, .NET server).

Stack: react-native, react, ES6, redux, redux-thunk, redux-persist, react-navigation, WebRTC, TestFlight

Features:

- Secure video conferences (unlimited participants)
- Screen sharing (web and mobile clients)
- Media sharing (pictures, videos, PDF's) with further collaborative editing
- Snapshots and videorecording
- Shared whiteboard
- Signing up by invitations

**#4** Mobile cemetery guide. Allows to locate grave by id or part of the name

Stack: react-native, ES6, redux, redux-thunk, react-navigation

Features:

- Searchable list of buried
- Interactive map of the cemetery (autofocus, search by name)

**#5** Web investment service. Helps users accumulate their net worth (web client and node.js server)

Stack: react, ES6, redux, redux-thunk, materialUI, node.js, d3

Features:

- Suggesting various investment plans: fast and risky or slow and reliable, based on detailed questionnaire
- Drawing real time charts
- Linking accounts from other services and banks

## Education

### **Belarusian State University of Informatics and Radioelectronics** / Engineer

SEPTEMBER 2012 - SEPTEMBER 2017, MINSK

Complete higher education on Faculty of Engineering and Economics (Information Technologies in Economic)

Specialization: Information Technologies Engineer

## Languages

**English** (upper intermediate), **Russian** (native), **Belarusian** (native)