

Michał Osadnik

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osdnk.github.io

Education

2020 – present

Aalto University, Helsinki, Finland

Master's Programme in Computer, Communication and Information Sciences. Computer Science

School of Science, School of Electrical Engineering

Aalto Venture Program Startup Minor

2019

Jagiellonian University, Kraków, Poland

Inter-faculty Individual Studies in the Humanities

2016 – 2020

AGH University of Science and Technology, Kraków, Poland

BSc Computer Science,

Faculty of Computer Science, Electronics and Telecommunications

Projects

January 2019 – January 2020

Spendshare

Engineering thesis and project involving exploring Linear Programming to extend possibilities of simplifying the debts algorithm. It was connected with theoretical research on the NP-complex problems reductions. Non-academically, my duties also involved back-end and microservices' development.

2019 – present

React Navigation

React Navigation is born from the React Native community's need for an extensible yet easy-to-use navigation solution written entirely in JavaScript on top of powerful native components. I was responsible for rewriting the whole core of the library from scratch into the very new version (5.0). My commitment to React Navigation was often related to enhancing navigators when it comes to animations and gestures. React Navigation is currently used by hundreds of thousands of projects.

2018 – 2020

React Native Gesture Handler

I co-created a library providing native-driven gesture management APIs for building touch-based experiences in React Native, which is currently the most popular library for gesture interaction in React Native. It makes touch interactions and gesture tracking not only smooth but also dependable and deterministic. As a contributor, I was responsible for maintaining the library and improving gesture interactions. React Native Gesture Handler is considered as a primary solution for gestures' recognition in React Native.

These and other projects may be found on my GitHub. They mostly relate to mobile development.

Work experience

February, 2019 – present

Rainbow Studio (prev. Balance.io)

Software Engineer, Partner

I am responsible for developing an Ethereum-based crypto wallet for managing assets, tokens, and integrating with apps. Together with working on the core of the product, my main responsibility is enhancing the UX of an application in areas of particularly difficult navigation and animation-related patterns.

September 2019 – March 2020

Software Mansion

Software Engineer, Manager of Open Source Software development

My job was a continuation of my previous contract with Software Mansion. I was still involved in many popular Open Source projects related mostly to React Native. Simultaneously, I became responsible for managing Open Source development and marketing strategy for the whole company.

June – September 2019

Facebook London, React Native core

Front End Engineer Intern

While working in Facebook, I had an amazing opportunity to work deeply on generating low-level (C++, Objective-C++) code from JavaScript (Flow) static analysis. It was a meaningful improvement related to new React Native architecture. During my internship, I managed to migrate and release the Marketplace app used by billions of users into the new code generation system authored by myself.

February, 2018 – June, 2019

Software Mansion

Software Engineer

During my job, I mostly carried out the development of several web and mobile applications for our clients and contributed to significant open-source projects dealing with React Native. I was primarily involved in front-end development, which often included a deeper exploration of the back-end side of the Apps.

July, 2017 – January, 2018

Printbox Kraków

Mobile Developer

Conference Presentations and Extracurricular Activities

Conference talks

6 December 2019

React Day Berlin, Lecture: “Navigation in React Native”,

11 September 2019

React Edinburg, Lecture: “Component-first Navigation API”

5 September 2019

React Native Europe, Lecture; Presentation: “Component-first Navigation API”

5 April 2019

App.js, Krakow; Workshop: “Native animations and gestures”

4 December 2018

Student ITAD Festival, Krakow; Lecture: “Building applications with Expo”

20 October 2018

Mobilization, Łódź; Lecture: “Declarative gestures and animations in React Native”

7 April 2018

SFI Student IT Festival, Kraków; Workshop: “Building applications with React Native and Firebase”

Academic activities**September 2016 – present**

BIT Scientific Society

2017 – 2018

Idea Factory Section President

2016 – 2018

Algo Section Teacher

2019, 2018, 2017, 2016

Rector's Scholarship for outstanding academic performance

2016

Laureate of AGH Olympiad in Physics

2016

Laureate of AGH Olympiad in Math

Languages

Native Polish, Advanced English – C1. 7.5 IELTS certificate