

WORK EXPERIENCE

FIVE

Frontend developer

Oct 2019 - Present

- Real-time video call streaming app for celebrities

Implemented communication with the server using ActiveMQ message broker by leveraging STOMP protocol over websockets. Estimating feature development. Used *React*, *TypeScript*, *Redux Toolkit*, *Amazon Chime*, *ActiveMQ message broker*, *Twilio chat*, *Styled Components*.

- Stock investing and currency exchange platform

Implemented biometric authentication (Face ID / Touch ID) on iOS and Android. Automated app deployment to TestFlight by creating designated Bitrise workflows. Set up Sentry error tracking for multiple environments. Estimating new features development. Used *React Native*, *Javascript*, *MobX*, *Flow*, *Bitrise*, *TestFlight*.

- Virtual wallet and money transferring app

Set up Firebase push notifications. Implemented fingerprint scanner (Touch ID) and face recognition (Face ID) authentication on iOS and Android. Automated application deployment to TestFlight by creating designated Bitrise workflows. Used *React Native*, *JavaScript*, *Redux*, *Firebase (Push notifications)*, *Bitrise*, *TestFlight*.

- Call-centre management portal

Created a real time chat for call centre agents. Set up cloud functions for sending out emails using AWS SES. Used *React*, *TypeScript*, *Redux*, *Firebase (Authentication, Firestore, Storage, Cloud functions)*, *Redux Form*, *Styled Components*.

- Audiobook production platform

A year and a half long project where I started out as an intern and became a development lead. Mentoring two younger developers. Used *React*, *JavaScript*, *Redux*, *AWS (Cognito, Lambda functions, Lambda triggers, S3)*, *Jenkins*, *Sendgrid*, *CSS Modules*.

Frontend Internship

Aug 2019 - Oct 2019

University of Zagreb, Faculty of Electrical Engineering and Computing

Graduate teaching assistant

Oct 2018 - Feb 2019

- Advanced Algorithms and Data Structures

PERSONAL PROJECTS

Freelancing

- Freelancing through my own little company (micralis.com)

Attended Introduction to Java Programming Language elective course

- Among other apps, I developed a text editor with support for i18n, a tool for generating Newton fractals, a custom shell as well as a scientific calculator

Integration of Source Control Services with Project Collaboration Services

- Integration of Github and Basecamp using Octokit and Basecamp 3 API in .NET. Built on top of Azure Topic, Queue and Blob storage services. Communication performance boosted utilizing Protocol Buffers.

Database and Web Application for Searching Seasonal Jobs

- Built with Node.js, Express, MongoDB, React.js. Available on my GitHub.

EDUCATION

University of Zagreb, Faculty of Electrical Engineering and Computing

Master's degree in Computer Science

Sep 2017 – Jul 2019

- *Machine Learning, Advanced Algorithms and Data Structures, Object Oriented Programming, Advanced Operating Systems, Databases, Text Analysis and Retrieval*

Bachelor's degree in Computing

Sep 2014 – Jul 2017