



Jan Mikolič
software engineer

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Tools and skills

- Java
- Python
- React
- React Native
- Node.js
- PHP
- MySQL
- PostgreSQL
- web development
- C/C++
- Matlab
- signal processing
- data science
- Linux

Life quote

"Take the best that exists and make it better."

About

I am a software engineer currently living in Slovenia. I have a special love for area of the signal processing and I love working at the intersection of hardware and software. I also have a diverse set of skills in web development which I perfected over many years of working as a back-end and front-end developer on many projects.

Work experience

IZUM - Full-stack developer

Dec 2018 - Aug 2020

Working on various projects connected to online bibliographic system COBISS including:

- Web app for ranking and browsing through most read material in COBISS databases along with the RESTful web service written in Java on back-end and responsive user interface written in React on front-end.
- Web app written in Spring Boot for management and classification of textbooks for primary and secondary schools in Slovenia.
- Maintaining and developing new features on desktop as well as on the web COBISS application (plus.si.cobiss.net).

FERI GeMMA Lab - Mobile developer

Dec 2018 - May 2019

Working on a sports mobile app written in React Native and Node.js.

FERI System Software Lab - Research assistant

Apr 2018 - Dec 2018

Working on a tool for visualization of EMG signals. Technologies: C++, Three.js, WebGL.

Inova IT - Web developer

Jun 2017 - Oct 2017

PHP developer on one of Adidas projects.

U-centrix d.o.o. - Software developer

2016 - May 2017

Working on internet booking engine for tourist agencies.

Education

2017 - 2020

Master's degree in Computer Science - Faculty of Electrical Engineering and Computer Science

2014 - 2017

Bachelor's degree in Computer Science - Faculty of Electrical Engineering and Computer Science

Other

Master's thesis

Cryptocurrency Market Analysis with Blind Source Separation Algorithms

Bachelor's thesis

Collision Detection on Transmission Lines with Optical Interferometer

Competitive programming contest CERC 2018

Our team participated at CERC 2018, a regional collegiate programming contest.



FERI urnik android app

Timetable android application for students and staff of FERI, which provides more convenient user experience.