

Primož Kralj

software engineer

contact

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languages

slovenian (native)
english (fluent)
german (basic)

programming

Java
C/C++
Python
C#
PHP
Bash

technologies and platforms

Linux
ARM
Android SDK
Embedded IoT

education

2012–2015 **MSc** in Software Engineering FERI, University of Maribor

2009–2012 **BSc** in Software Engineering FERI, University of Maribor

experience

2017–present **CODELAB Software Solutions** Stranice, Slovenia

Owner, Full stack developer

Development of The Crypto App (<https://thecrypto.app>). App offers deep insights into cryptocurrency markets and tools for better trading decisions. Consists of Android/iOS app and server backend. Android version is ranking 1 on Google Play Store for many crypto related keywords and has 200k+ active users as of January 2019. Development of various other mobile applications and embedded devices for clients.

2014–2017 **LXNAV** Celje, Slovenia

Embedded Software Engineer

Development of various devices for glider and ultra-light aircraft.

- sensory data collection and analysis
- interfacing with external radios and transponders via RS232/RS485
- interfacing with ECU's via CANaerospace
- ARM Cortex programming
- computer-on-module Linux hacking
- server-side-scripting
- Bluetooth Low Energy
- CAN bus debugging software
- data analysis software

2013 **LXNAV** Celje, Slovenia

Summer Intern

Various development tasks regarding embedded systems used in aviation. Main focus on device communication: device bridges, CAN protocol messaging and serial (RS232, RS485) communication.

2012 **LXNAV** Celje, Slovenia

Summer Intern

Worked in the field of DSP - specifically the Kalman filter for sensor fusion and noise removal - on embedded systems used in glider airplanes.

2011 **ComTrade** Maribor, Slovenia

EdIT Summer school

Developed a multiplayer mobile game with Facebook integration for Android platform.

interests

professional: internet of things, mobile development, embedded systems, online marketing, fintech, entrepreneurship **personal:** building, cycling, hiking, outdoor adventures

publications

- Sept 2015 **Master's thesis**
Monitoring and Control System for Ultralight Aircraft (pdf)
- Jun 2013 **Research**
Differential Evolution with parallelised objective functions using CUDA (pdf)
- Sep 2012 **Bachelor's thesis**
Vaccination advisor on Android Operating System (pdf)