

# Marko Katić

· SOFTWARE ENGINEER ·

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## Experience

### Tri Plus Grupa, Zipato

SOFTWARE ENGINEER

*Zagreb, Croatia*

*April. 2013 - PRESENT*

- Active development and maintenance of a Java SE 1.6/Android application, more than two million SLOC, that provides core functionality for all Zipato home automation controller products.
- Active development and maintenance of several in-house developed protocol stacks for various home automation network protocols such as Z-Wave, EnOcean and other proprietary protocols.
- Active development and maintenance of firmware written in C for several commercial Z-Wave products.
- Active development and maintenance of an AOSP based operating system for a flagship home automation controller, the Zipatile:
  - <https://www.zipato.com/product/zipatile-zbee>
- Active development and maintenance of small scale, non UI oriented Android applications and customization of existing Android applications, such as F-Droid.
- Active development and maintenance of a custom made embedded GNU/Linux distribution, developed with the Yocto build system, for a low cost home automation controller, the Zipamicro: <https://www.zipato.com/product/zipamicro>

## Skills

**GNU/Linux** Extensive experience in development of custom embedded GNU/Linux distributions for commercial products and personal projects, mostly built using the Yocto build system. Daily GNU/Linux user for over 13 years. Vim user.

**Java** Five years of professional experience working on small to large scale Java SE 1.6/Android SDK/AOSP projects.

**C** Moderate professional experience developing small scale firmware projects for commercial Z-Wave products and small scale JNI libraries.  
Moderate experience working on open source projects such as the Linux kernel, Xorg, Kexecboot and others, while working on a personal project.

**Javascript** Minor professional web UI development experience with the ExtJS framework, a few thousand SLOC at most.

**Z-Wave** Expert level knowledge of the Z-Wave protocol.

## Education

### FOI(Fakultet organizacije i informatike)

UNDERGRADUATE VOCATIONAL STUDY PROGRAMME - INFORMATION TECHNOLOGY IN BUSINESS APPLICATION

*Varaždin, Croatia*

*Sept. 2009 - PRESENT*

### NetAkademija(Tehničko veleučilište u Zagrebu)

CISCO CCNA PROGRAMME

*Zagreb, Croatia*

*2008. - 2009.*

### FOI(Fakultet organizacije i informatike)

UNDERGRADUATE STUDY PROGRAMME - INFORMATION AND BUSINESS SYSTEMS

*Varaždin, Croatia*

*2005. - 2007.*

## Projects

**ZGrom** A gaming oriented distribution for Sharp Zaurus line of PDA devices.

**Github** Various patches, mostly C and ARMv5 ASM, for projects such as the Linux kernel, Kexecboot, Xorg and others.