



# Josef Lusticky

EMBEDDED SOFTWARE ENGINEER

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Location: Olomouc, Czech Republic (CZ)

## Education:

2000 - 2009 Linguistic Gymnasium, Čajkovského 9, Olomouc, CZ  
2009 - 2012 Bachelor of Information Technology – Faculty of Information Technology, Brno University of Technology, Brno, CZ  
2012 Bachelor Thesis "Contiki NTP Client" – Hochschule RheinMain, Wiesbaden, Germany  
2012 - 2015 Master of Computer Networks and Communication – Faculty of Information Technology, Brno University of Technology, Brno, CZ - passed with honours  
2015 Master Thesis "Towards 40GbE GNU/Linux Router" – Faculty of Information Technology, Brno University of Technology, Brno, CZ - won Dean's award

## Work Experience:

2011 - 2012 Linux Kernel Quality Engineer, Red Hat, Brno, CZ  
2014 Pebble Smart Watch Development, CAS Software AG, Karlsruhe, Germany  
2015 - 2016 Embedded Software Developer, iXperta, Brno, CZ  
since 2017 Freelance Software Engineer, Olomouc, CZ

Notable projects: Underground sensors - AVR ATmega128 firmware

3G/4G Routers - Upgrade from Linux 3.12 to 4.14 for STM32-based boards

Fire truck car system - RPi 3 CM, MCP2515 SPI driver modifications

Laser Game - Buildroot for Allwinner SoC, Linux 5.4, Display DRM driver, RS485 drivers

Ticket Machine - Alsa SoC Linux drivers, Card reader SPI drivers

Audio Processing System - Atmel SAM A5, SPI drivers, STM32F0 Firmware

Drone Identification Unit - Zephyr OS modifications for Nordic ARM Cortex-M33 and M4

Smart Wiring System - Linux-based central unit for Intelligent Houses - TI and NXP CPUs

## Networking Courses:

2011 Cisco Networking Academy Courses for CCNA 1 and CCNA 2  
2013 Cisco Networking Academy Courses for CCNP Route  
2014 Cisco Networking Academy Courses for CCNP Switch

## Language Certifications:

2007 Aspect College London - Business Advanced Level  
2009 Deutsches Sprachdiplom C 1

## Language Courses:

2007 Aspect College, London, UK: English for Business  
2008 Deutsche SchülerAkademie, Metten, Germany: Erinnerungskultur in Deutschland und den ostmitteleuropäischen Ländern nach 1989  
2010 Club der Ehemaligen der Deutschen SchülerAkademien, Štěkeň, CZ: Eine physikalische Reise durch die Geschichte