

Curriculum Vitae

Personal information

Surname / First name **Šimek Michal, Ing.**
Address Třeboňská 479
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Czech Republic
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WWW <http://www.monstr.eu>
Nationality Czech
Date of birth 19/6/1982
Gender Male
Willing to relocate Yes

Desired employment / Occupational field

Work experience

Dates **April 2009 -**
Occupation or position held Linux kernel maintainer for Microblaze (arch/microblaze)
Microblaze noMMU Linux port was added to mainline on April 13, 2009 and Microblaze MMU on June 12, 2009.
WWW <http://www.kernel.org>

Dates **February 2008 -**
Occupation or position held MMU port from 2.6.13 to 2.6.20 - PetaLinux distribution
Responsible for Linux kernel developing.
Reference Dr. John Williams; Petalogix QLD, john.williams@petalogix.com, www.petalogix.com

Dates **February 2007 -**
Occupation or position held U-BOOT Custodian for Microblaze CPU since the project was forked.
Significant extending Microblaze U-BOOT port
WWW <http://www.denx.de/wiki/UBoot/>

Dates **July 2005 - September 2007**
Occupation or position held Embedded SW Engineer, Hardware Development Department – Embedded Software Sector – Low Level Software Group
Main activities and responsibilities Testing embedded operating systems for Freescale processors, U-BOOT, Montavista Linux, VxWorks, Wind River Linux PNE, Wasabi NetBSD, Sysgo Elinos, Community Linux, Testing FreeScale CodeWarrior, Writing device drivers & applications, Booting strategy.
Name and address of employer SITRONICS Telecom Solutions, Czech Republic a.s.; (STROM telecom a.s. till February 2007)
Ohradni 1369/8, 140 00 Praha 4, Czech Republic;
<http://www.sitronicsts.com>
Type of business or sector Telecom
Reference None because Department was closed in February 2009.

Education and training

Dates
Principal subjects
Occupational skills covered
Name and type of organisation providing organisation and training
Level in national or international classification
Reference

October 2007 - January 2008

FDT support for Microblaze - Linux kernel v 2.6.24-rc4
FDT generator for Microblaze & PPC405, OS extension for FDT
The University of Queensland
School of Information Technology & Electrical Engineering
Brisbane QLD 4072 Australia
<http://www.itee.uq.edu.au/>
University - Visiting scholar

Dr. John Williams; UQ ITEE; Research Supervisor;
jwilliams@itee.uq.edu.au; Phone: +61 7 3365 2185

Dates

2007 - March 2009

Principal subjects
Occupational skills covered
Name and type of organisation providing organisation and training
Level in national or international classification
Reference

Design of systems with multiple heterogeneous processing cores
Not finished.
Czech Technical University in Prague - Faculty of Electrical Engineering
Department of Computer Science and Engineering
Technická 2,
166 27 Praha 6 - Dejvice
Czech Republic; <http://www.feld.cvut.cz/>
University - Postgraduate study

Doc. Ing. Hana Kubátová CSc.; CTU FEE; Supervisor of Postgraduate Study; kubatova@fel.cvut.cz; Phone: +420 224 357 281

Dates

2001 - 2007

Principal subjects
Occupational skills covered
Name and type of organisation providing organisation and training
Level in national or international classification
Reference

Diploma thesis: Operating system for FPGA based SoC
Porting U-BOOT to Microblaze processor
Experience with uClinux (Microblaze) and FreeRTOS (ARM, Microblaze)
Orientation: computer science - hardware
Speciality: RTOS, SoC, Bootloaders, Microprocessors, FPGA, VHDL
Winner of Special price - IT Diploma of year 2007
<http://www.profinet.eu/cz/>
Czech Technical University in Prague - Faculty of Electrical Engineering
Department of Computer Science and Engineering
Technická 2,
166 27 Praha 6 - Dejvice
Czech Republic; <http://www.feld.cvut.cz/>
University

Ing. Miloš Bečvář; CTU FEE; Diploma Thesis Supervisor;
becvarm@fel.cvut.cz; Phone: +420 224 357 404

Personal skills and competences

Mother tongue
Other language(s)
Self-assessment
*European level (***)*

English
Russian

Czech

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

Organizational and social skills and competences

team spirit,

Technical skills and competences

9 year work experience in hardware and low level software specility
4 years working with uClinux
1 year work with FreeScale processors
Experience with PowerPC 405 & Embedded Linux, Qemu

Computer skills and competences

Linux, TCL, Montavista DevRocket, Wind River Workbench, FreeScale CodeWarrior, XILINX ISE and EDK and many others.

Driving license

Category A (Motorbikes)
Category B (Cars and trucks up to 3.5t and not more than 8 seats)

Publications

Embedded Operating System for MicroBlaze

(Paper in Electronic Proceedings (CD-ROM or web))

Winner of section Informatics & Cybernetics

2006, ŠIMEK M., <http://ctn.cvut.cz/pt/>

In *POSTER 2006* [CD-ROM]. 2006,

Embedded Operating System for MicroBlaze

2006, ŠIMEK M.,

Acta Polytechnica 2006, vol 46. No. 4/2006 p. 37-39.

ISSN 1210-2709

Running Linux on an FPGA-based Embedded Platform

(Paper in Electronic Proceedings (CD-ROM or web))

2006, ŠIMEK M., BRABEC T., BEČVÁŘ M.

In *Workshop 2006* [CD-ROM]. Prague: CTU, 2006, vol. A, p. 222-223.

ISBN 80-01-03439-9.

Flexible Booting Strategy for FPGA-based Systems

(Paper in Electronic Proceedings (CD-ROM or web))

2007, ŠIMEK M.,

In *Workshop 2007* [CD-ROM]. Prague: CTU, 2007, p 146-147.

ISBN 978-80-01-03667-9.