

# Curriculum Vitae

## Personal information

Surname / First name	<b>Šimek Michal, Ing.</b>			
Address	Třeboňská 479 373 12 Borovany Czech Republic			
Telephone(s)	+420 721 842 854			
E-mail(s)	<a href="mailto:monstr@monstr.eu">monstr@monstr.eu</a> ;			
ICQ / AIM / Yahoo / Skype	148888410	monstrmichal	simek.michal	monstr-skype
WWW	<a href="http://www.monstr.eu">http://www.monstr.eu</a>			
Nationality	Czech			
Date of birth	19/6/1982			
Gender	Male			
Willing to relocate	Yes			

## Desired employment / Occupational field

### Work experience

Dates	<b>April 2009 -</b>
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	<a href="http://www.kernel.org">http://www.kernel.org</a>
Dates	<b>February 2008 -</b>
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, <a href="mailto:john.williams@petalogix.com">john.williams@petalogix.com</a> , <a href="http://www.petalogix.com">www.petalogix.com</a>
Dates	<b>February 2007 -</b>
Occupation or position held	U-BOOT Custodian for Microblaze CPU since the project was forked. Significant extending Microblaze U-BOOT port
WWW	<a href="http://www.denx.de/wiki/UBoot/">http://www.denx.de/wiki/UBoot/</a>
Dates	<b>July 2005 - September 2007</b>
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; <a href="http://www.sitronicsts.com">http://www.sitronicsts.com</a>
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](mailto: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](mailto: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](mailto:becvarm@fel.cvut.cz); Phone: +420 224 357 404

## Personal skills and competences

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

Czech

**English**  
**Russian**

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.