

# Eduard Bartosh

## Software Engineer

Areas of expertise: Python development, Linux build systems, software integration, strong general IT and Unix expertise. Work well independently and within a team. Self-starter with minimal amount of instructions and supervision required.

**Address:** Meri-Rastilan tie 17G 62 00980 Helsinki, Finland

**Phone:** +358 50 4868859:

**Email:** [bartosh@gmail.com](mailto:bartosh@gmail.com)

**Date of Birth:** July 2, 1965

**Marital Status:** married

## Professional Experience

### *2011-now*

#### [Intel Corporation](#)

Senior Linux Software Engineer

- Developed tools for package building in Python
- Maintained Jenkins and OBS build systems
- Implemented support for patch series for Patchwork
- Configured and administrated build farm
- Developed continuous integration system based on OBS, Jenkins and Gerrit for Tizen Linux Distro ([tizen.org](http://tizen.org))

### *2004-2011*

#### [Nokia Corporation](#)

Senior Design Engineer

- Designed, developed and maintained build&integration system for Nokia linux-based mobile devices
- Designed and developed repository management software
- Designed and developed Continuous Integration system
- Maintained kernel and core userspace packages
- Maintained Maemo SDK packages
- Designed and developed localisation infrastructure for Maemo software

#### [Maemo Community](#)

Developer, Packager, [root@maemo](mailto:root@maemo)

- Ported and maintained several projects for [Maemo](#): OpenSSH, Evince, TuxType
- Packaged [Enlightenment Foundation Libraries](#) for [Maemo](#)
- Packaged IPython and helped with developing building infrastructure for Python for [Maemo](#)
- Designed, developed and maintained [Maemo](#) autobuilder

- Ported Mnemosyne learning tool for [Maemo](#)
- Taking part in [GSoC](#) 2009 as a mentor
- Built base system for [Emdebian project](#) using Maemo packages and modified tools from Debian

## 2003-2004

### [Alt Linux team](#)

Package maintainer, member of Alt Linux kernel committee

- Adopted Linux kernel 2.6 and kernel modules packages for [ALT Linux](#) distribution
- Packaged isakmpd (IPSEC daemon) for [ALT Linux](#)
- Maintained server-oriented kernel package (kernel-image-aw) and other packages for Alt Linux
- Took part in the development of the debian-like built scheme for [ALT Linux](#) kernel-related packages

## 2001-2004

### [Software development company "SaM Solutions"](#)

Software developer

- Developed hotswap subsystem (userspace and kernel space parts)
- SCSI, lm\_sensors and NICs boot detection and configuration (shell scripting)
- Linux kernel: dm (device mapper) fix for GETSIZE64 (allows to create XFS volumes >1Tb on the EVMS devices)
- Linux kernel: fixes for net\_mod package and Alacritech TOE NIC driver
- Linux kernel: developed I18N functionality to NFS
- Linux kernel: developed uid/gid mapping to NFS
- Linux kernel: adopted pdccraid module for FastTrack software RAID controller
- ApplianceWare: developed and maintained Network Attached Storage server-side software
- ApplianceWare: implemented POSIX ACL (Access Control Lists) functionality
- ApplianceWare: integrated ADS (Advanced Directory Services)
- ApplianceWare: packaged and maintained Linux kernel

## Education

**1982-1988:** Master's Degree in Electrical Engineering in Saint Petersburg State University of Aerospace Instrumentation, Russia

## Technical skills

**Operation Systems:** Unix/Linux

**Programming languages:** **strong knowledge of Python**, moderate: C, Shell, some: C++, Ruby, Erlang

**VCS tools:** git, svn, cvs, mercurial, bazaar

**Databases:** MySQL, PostgreSQL, DB2

**Internet:** TCP/IP, HTML, XML

## Languages

**Russian:** Native

**English:** Good

**Finnish:** Basic

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**Pdf version:** <http://www.bartosh.org/cv.pdf>