

Vitaly Repin | Curriculum vitae

Espoo, Finland

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Per aspera ad astra

Skills

Software development methodologies: Extreme Programming (XP), SCRUM

Programming languages: C, C++, Pascal, Tcl/Tk, Perl, assemblers (x86, ADSP)

Operating systems: Linux, RTLinux, MeeGo, Maemo, DOS

Protocol stacks: VoIP (SIP, MGCP, H.323, Skype), SS7

Applications: \LaTeX , Asterisk, LTSP (Linux Terminal Server Project), Drupal CMS, Moodle LMS, Apache, Samba, MTAs etc

Other: OOA/OOD/OOP, SQL, shell scripting languages, Excel Switching System (EXS), theory and practice of DSP, OSS/BSS development experience

VCS: Git, Subversion, CVS

Databases: MongoDB, MySQL, Oracle 9

Education

State Polytechnical University

St. Petersburg, Russia

Master of Science

1996–2002

M.Sc. project: remote IP control system for high-precision spectrum analyzer

Certifications.....

2010: Certified SCRUM master

Danube Technologies

2013: M. Odersky. Functional Programming Principles in Scala. EPFL online.

With distinction

2014: Gamification. University of Pennsylvania online

2014: M101P: MongoDB for Developers

MongoDB, Inc.

2014: M102: MongoDB for DBAs

MongoDB, Inc.

Honors

- «Harmattan Hero» cup. Nokia MeeGo award for exceptional contribution to Nokia N9 delivery
- Bachelor thesis got diploma at the All-Russian competition of students research papers
- Two times won the grants in St. Petersburg competition for students, PhDs, young scientists and specialists
- «Skype developer of the month» for cross-platform C++ library to work with Skype API (2007)

Experience

Nokia Oyj, Maemo/MeeGo

Helsinki, Finland

Software architect and Technical Product Owner, Architecture,

2008–2012

- E-Mail subsystem for Maemo and Meego platforms (N900 and N9 Nokia devices)
- MailForExchange ActiveSync platform feature (synchronizations of contacts, calendar and e-mails with MS Exchange server)

Nokia Oyj, OSSO/Maemo

Helsinki, Finland

Software engineer

2007–2008

Application software development, code reviews, troubleshooting, cooperation with offshore team

- Skype and Rhapsody applications for N800 and N810 Nokia Internet tablets. Mostly backend part.
- Integration of Java SWT with platform browser for technological show run by Nokia and IBM.

Ice Brains Software Co., LLC.

St. Petersburg, Russia

Team leader

2005–2007

Customer communications, software architecture, team leadership

- Custom software development. Different VoIP projects based on Skype, Asterisk and LTSP.

Inotech Co., Ltd

St. Petersburg, Russia

Team leader

2003–2005

Team leadership (including software development process setup), interactions with customers

- Billing system development (part of BSS, PLATEX v.3). This system was used by tens of telecom operators in Russia and abroad.

Inotech Co., Ltd

St. Petersburg, Russia

Senior software developer

2001–2003

System design, low-level software development

- Development of EXS-based call center solution for placing long distance calls. The customer was one of the largest telecom operators in St. Petersburg. EXS switch is connected to the PBX (Siemens EWSD) via SS7 and is managed by call center software via TCP/IP. I was responsible for overall system design, EXS setup and configuring, EXS management via TCP/IP, IVR implementation.

Komin Co., Ltd

St. Petersburg, Russia

Software developer

1999–2001

Low-level and embedded software development

- Design and implementation of the remote IP control system for the high-precision spectrum analyzer. Outcome of the project — UNIX server and Windows client connected through Internet.
- Design and implementation of the host (controller) software for the AudioCodes-based voice compression system prototype.
- Design and implementation of the software for the proprietary data acquisition board. I was responsible for the driver (loadable kernel module for RT Linux) and user space application (GSM speech and signaling decoder with Qt-based GUI running on Linux).
- Design and implementation of the software-based customizable DTMF detector (DSP).

Languages

English: Full professional proficiency

Swedish: Professional proficiency

Russian: Native proficiency

Personal qualities

- Creative, self-directed, ability to learn new technologies/projects quickly, ability to work under pressure, experienced team lead.