

Personal Data

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Nationality:

Finnish



Technological Competence (Active; Passive)

Operating Systems:

GNU/Linux, Windows 10, Android, iOS; Windows Phone 8.1, Solaris, Symbian

Programming Languages:

Swift, C#, C++, GNU Octave; Scala, Python, Java, C, Objective-C, PHP, VB, Perl, Assembler (x86/ARM), JavaScript, shell, PL/SQL

Applications:

MS Office, MySQL, FreeMind, Visual Studio, Git, VMWare ESXi, IntelliJ IDEA, XCode, AppCode; Together ControlCenter, Oracle, Rational Rose, MindManager, CodeWarrior, Telelogic Tau, Lauterbach T32, Emacs, Apache, Synergy, CVS, SVN, Mercurial, Talend OpenStudio, Eclipse, Vim, Confluence, Jira, Bamboo, Tomcat, Maven, Rational Team Concert, Serena Business Manager, ScrumWorks, Toad, CA SiteMinder SSO, SharePoint, JMeter, SoapUI, LoadUI, Apache, IIS, JBoss, Confluence, Maven, Xamarin

Other Buzzwords:

Scrum, JSON, REST, RAD, Continuous Integration, Patterns, SQL, Bluetooth, Agile, Reactive Programming, Machine Learning; UML, Unified Process, TCP/IP, XML, SNMP, SIP, HTML, CSS, ITIL, SSO, BPM, HTTP, SMTP, IMAP, POP, CSS, SOAP, SIMD

Education

Master of Science - Lappeenranta University of Technology, Department of Information Technology (2004):

- Information Processing (major)
- Telecommunications (minor)
- Industrial Engineering and Management (minor)
- Thesis title: Messaging Application Engine for Symbian Platform

Courses:

- Machine Learning (Coursera / Stanford) 2018
- iOS App Development with Swift (Coursera / U. Toronto) 2016
- Functional Programming Principles in Scala (Coursera / EPFL) 2014
- ITIL, COBIT, PRINCE2 brief (Wakaru) 2011
- SharePoint online courses (Pluralsight) 2011
- Presentation Skills (MetaProg) 2008
- Scrum Project Management (Tieto) 2008
- Symbian OS Courses From A to Z (Digia) 2004-2008
- Object-Oriented Analysis and Design, UML 2.0 (Tieturi) 2006
- OMAP 1710 Hardware Workshop (Texas Instruments) 2005
- Debug with Lauterbach T32, modules 1 & 2 (Nohau) 2003

Employment

Overall work experience related to IT field around fifteen years from:

- Canned Bit Oy 2/2012 - : CEO, mobile development consultation (iOS, Android, Windows Phone), mobile app publishing
- Beddit Oy 2/2014 – 5/2014: Developer (iOS and Android development, iOS CI setup, test automation, Bluetooth)
- Contribyte Oy 1/2009 – 1/2012: Consultant (Oracle/JDBC based data migration, BPM platform implementation and development, T3 support)
- Nokia Corp. 1/2007 – 12/2008 : Senior Software Engineer (Symbian/C++)
- SysOpen Digia Plc., 6/2004 – 1/2007: Software Engineer (Symbian/C++)
- Nokia Corp. 4/2003 – 5/2004: Graduate Trainee, (acting) Software Architect (Symbian/C++)
- Lappeenranta University of Technology 1998 - 2002: Research assistant / project manager (Linux/C & Pattern research/Java)
- Etelä-Saimaa newspaper 1996 - 1998: Several IT related assignments
- New Steel Oy 1995 – 1996: Design and implementation of IT infrastructure

Language Skills

- 1* Finnish – Mother tongue
- 2* English - Good
- 3* Swedish - Basics

Hobbies

- Games – Computer, console, tabletop etc.
- Sports – Jogging, gym, snowboarding, cycling, swimming etc.
- Computers and computing – In general
- TV Shows – Documentaries, drama
- Movies – Classics, drama, action, sci-fi
- Motorcycling – From A to B and back to A
- Reading – Classics, sci-fi, fantasy, philosophy

Recent Projects

2018-01-23

When	Project name, brief description, and used techs	Customer
01/2017-09/2017	<i>Mobile Self-Improvement App Implementation</i> <ul style="list-style-type: none">➤ Several full E2E functionality implementations➤ Several view implementations➤ Process improvements<ul style="list-style-type: none">• iOS 10 baseline• Swift 3.1 & 4• ReactiveKit & Bond frameworks• Alamofire based networking• JSON w/ Argo & Swift 4 Codables• Layouts fully in code w/o interface builder	Talented / Hints
05/2016-12/2016	<i>Operating System and Graphics Development</i> <ul style="list-style-type: none">➤ Central system app implementation➤ Systems development<ul style="list-style-type: none">• C++11• GNU toolchain	Symbio / Huawei
12/2014-12/2015	<i>Multi-platform Mobile Application Development for Inverter Control</i> <ul style="list-style-type: none">➤ Mobile app implementation (Android, iOS)➤ Multi-platform C++ bindings implementation➤ Legacy C/C++ code container implementation➤ Link-layer protocol implementation➤ Bluetooth Classic / LE connectivity implementation➤ Development process mentoring➤ Multi-platform app architecture<ul style="list-style-type: none">• iOS 9.x (Swift, Objective-C, C++)• Android 6.x (Java, C++)	Symbio / ABB
10/2014-11/2014	<i>Windows Phone App Backend Azure Transition Study</i> <ul style="list-style-type: none">➤ Azure mobile services feature investigation➤ Mobile app Azure backend feasibility study, architecture, and initial implementation➤ Transition roadmapping<ul style="list-style-type: none">• Windows Phone 8.1 (XAML / C#)• Azure Services	Symbio / MS
06/2014-07/2014	<i>Windows Phone 8 application engine update to 8.1</i> <ul style="list-style-type: none">➤ old features ported to the new platform version➤ new feature development together with backend➤ continuous integration setup<ul style="list-style-type: none">• Windows Phone 8.1 (XAML / C# / C++ / C)• Windows Phone OEM SDK• Jenkins CI setup	Symbio / MS
04/2013-	<i>Mobile Application Development</i> <ul style="list-style-type: none">➤ BarcodeBeamer web and backend➤ BarcodeBeamer for WP8➤ BarcodeBeamer for Windows Desktop➤ www.barcodebeamer.com<ul style="list-style-type: none">• Windows platforms (WPF / XAML / C# / C++ / C)• Android (Java / C)• iOS (Swift / Objective-C)• Play2 / Scala based backend(s)	Internal

Special Knowledge and Skills

- ✓ Quality Focus
- ✓ Getting It Done
- ✓ Problem Solving
- ✓ Agile Methodologies
- ✓ Software Architectures
- ✓ Software Development
- ✓ Design Patterns
- ✓ Change Management
- ✓ Database Design
- ✓ Optimization

Programming Languages

- ❖ C++
 - Professionally developed mobile software with it for 5+ years
- ❖ C
 - Started programming with it as a hobby a long time ago, most of the university courses used it back in the days, pops up sometimes for porting legacy code etc.
- ❖ C#
 - Application development work on Windows Phone 8 / 8.1 / Windows 10 platforms
- ❖ Swift / Objective-C
 - Application development work for iOS
- ❖ Python
 - Gets things done, always been intuitive for me, have used it for prototyping some concepts and consequently for the final implementations as well
 - Some test automation implementation
- ❖ Java
 - Application development work for Android
 - No serious backend development experience, some usage via related tools and solutions
- ❖ JavaScript / HTML / CSS
 - Every now and then done some tinkering with them related to random projects
 - Recently been using more to get a web application up and running
- ❖ Scala
 - Discovered via Play framework, developed a mobile backend and a web application with it
- ❖ PL/SQL
 - Can be a real time-saver if something needs to be done at the database level, have used it occasionally.
- ❖ PHP, VB, Perl, assembler (x86, ARM), shell
 - Usually try to use something else for the task at hand, but have used these as well and can manage

Whenever I'll Have Time, I'd Like to Look At..

- Real-time graphics processing
- Computer vision
- Deep learning