Curriculum Vitae

Personal Information

Name:	Jukka Tapani PARTANEN
Date of birth:	September 1, 1969
Place of birth:	Porvoo, Finland
Citizenship:	Finnish
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Education

1988 – 1996	Master of Science in Technology
	Helsinki University of Technology (http://www.hut.fi/), Espoo, Finland
Department:	Faculty of Information Technology
Option:	Software Engineering
Major:	Software Systems; grade: excellent (5/5)
Minor:	Knowledge Engineering; grade: very good (4/5)
Thesis:	Integration of a Standard Microkernel into a Distributed Switching Environment; grade: excellent (5/5)

Work Experience

2012 – present   ProtoGeo Oy, Helsinki, Finland
Chief Mobile Architect, Co-founder
Responsibility of the architecture, design, and implementation of the Moves iOS app and partly the Android app.

2009 – present   Partaheikki Technologies, Helsinki, Finland
Owner, General Specialist
iOS application development for a number of clients.

2008 – 2009   Nokia Devices R&D (http://www.nokia.com/), Helsinki, Finland
OS Architect
System-wide responsibility of the operating system architecture of Nokia's planned next generation Linux based handsets (Maemo, later renamed MeeGo).

2006 – 2008   Nokia Multimedia / Convergence Products, Helsinki, Finland
Senior Engineer, SW
Architecture of the connectivity domain of Nokia's Linux based Internet Tablet devices.

2004 – 2006   Nokia Networks, Helsinki, Finland
Software Specialist / Senior Specialist, SW
Software architecture, specification, design, and implementation of 3G/GPRS IP access and traffic analysis network elements based on Nokia's BSD-based IPSO operating system.

2001 – 2004   Nokia Networks, Helsinki, Finland
Software Specialist
Software architecture, specification, design, and implementation of the high availability system in Nokia's Linux-based cluster environment (Nokia FlexiServer).

1999 – 2001   Nokia Networks, Helsinki, Finland
Senior R&D Engineer
Operating systems specialist in the context of 2.5G and 3G network elements using the Chorus microkernel OS.

1998 – 1999   Nokia Research Center, Helsinki, Finland
Assistant R&D Manager
Manager and technical member of a research group specializing in operating systems and networking (Chorus OS, IP, IPv6, IP forwarding).

1996 – 1998   Nokia Research Center, Helsinki, Finland

R&D Engineer

Research in the field of operating systems and IP networking (Chorus OS with the BSD 4.4 TCP/IP stack).

1995 – 1996   Helsinki University of Technology (http://www.cs.hut.fi/), Espoo, Finland

Research Assistant, Faculty of Information Technology

Thesis work and member of a research project in the field of operating systems (BSD, Mach 3, Real-Time Mach, and OSF MK) and networking (Corba, IP, and ATM).

1993 – 1995   Tekla Oy (http://www.tekla.com/), Espoo, Finland

Software Engineer

Software architecture, specification, design, and implementation of a TCP/IP-based distributed fault-tolerant database system running on a number of Unix operating systems, Windows NT, and VMS.

1991 – 1992   Helsinki University of Technology, Espoo, Finland

Teaching Assistant, Faculty of Information Technology

Supervision and grading of student assignments in the programming laboratory course. Unix administration of the HUT Computer Science department's student laboratory.

1990 – 1992   New Generation Software (NGS) Oy, Espoo, Finland

Software Engineer

Development of various software products based on NGS's text indexing system running on a number of Unix, VMS, and Windows systems.

Publications

US Patent 7,444,640 Oct 2008; US patent applications 20110004654 and 20040205767, and their respective European and international counterparts.

J. Partanen. Integration of a Standard Microkernel into a Distributed Switching Environment. Master's Thesis, Helsinki University of Technology, Espoo, 1996 (http://www.iki.fi/jtp/personal/thesis/).

H. Saikkonen, J. Helander, and J. Partanen. Unix in a telephone switch. Department of Computer Science Technical Report TKO-B132, Helsinki University of Technology, Espoo, 1996.

Real-Time Implementations of Vector Quantization. In O. Yli-Harja, J. Mölsä (eds.) Tiedon kompressoinnin seminaari/Seminar on Data Compression. Computer Science Department Report TKO-C77, Helsinki University of Technology, Espoo, 1995.

Affiliations and Interests

Internet Users Forever - IKI association (http://www.iki.fi/) founding member and board member 1995 – 2003, OtaDATA association, board member 1995 – 1996.

Playing the bass guitar in a rock band and music in general; bandy, running, football, and other sports; system architecture, operating systems, IP networking, embedded systems, and home automation systems.