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## PERSONAL INFORMATION

Name	Kimmo Mikael Koskinen
Date of birth	July 8th 1980
Nationality	Finnish
Family	Married, one child (born 2010)

## EDUCATION

Master of Science	Lappeenranta University of Technology, started September 1999, graduated October 28. 2005 Major: Communications Engineering Minors: Information Processing Industrial Engineering and Management
High School	Porlammin lukio, graduated spring 1999

## WORK EXPERIENCE

### Main Occupation

june 2013 -

#### **Ekahau Oy**

Implementation and design of Vision 2 product. Refining location information especially for healthcare by using Clojure, ClojureScript, HTML5 and FLEX.

5.12.2005 -

#### **Ekahau Oy**

Implementation and design of Site Survey product (WLAN network design, verification and indoor positioning modeling). Agile software development in a team and as a single developer. Desktop application development with Java (Swing/JavaFX). Modeling with Domain Driven Design methodology. Integration of native libraries (C/C++) and WLAN APIs in Windows/OSX/Linux through Java/JNI and Python/ctypes.

1.4.2004 - 30.9.2005

#### **Lappeenranta University of Technology, Department of Information Technology, Technology Business Research Center**

Research assistant. Producing location information to the MUPE (Multi User Publishing Environment) platform from a WLAN network. Context aware application development with the MUPE platform with Java. Master's thesis on the subject "Utilisation of location and context information in applications" during summer and autumn 2005.

20.5.2002 - 31.3.2004

#### **Lappeenranta University of Technology, Department of Information Technology**

Research assistant in WLPR.NET -project. Development of a location based game in summer 2002 (Quake 2, cell positioning). Usage of CAD floorplans. Administration and development tasks in WLPR.NET network (Linux -servers, WLAN access points, positioning services). Development and administration of a positioning interface (SOAP, WSDL). Guiding practical assignments for students, network and software arrangements in the conferences of the laboratory of communications engineering.

<b>Secondary Occupation</b>	<b>Lappeenranta University of Technology, Department of Information Technology</b>
1.1.2003 - 31.5.2005	Lecturer in Lähiverkot -erikoistyökurssi course (Local Area Networks -special work course) during semesters. Giving exercises in Linux environment: services, software development and administration. Guiding practical assignments, inspecting programming assignments.
1.1.2005 - 31.5.2005	Lecturer in sovelluskehityksen erikoistyökurssi (Special work course on software development). Giving exercises on the development of context-aware applications with MUPE. Administration of the software development environment (MUPE) and context information sources (Ekahau and a proprietary WLAN positioning system, RFID, Recumbent and weather context information sources).
1.9.2003 - 31.12.2003	Lecturer in Kehittyvä tietoliikenne (Progressive telecommunications) course. Giving lectures from WLAN positioning.

## LANGUAGES

Finnish	native
English	fluent
Swedish	satisfactory
German	satisfactory

## SKILLS

Programming Languages	Professional experience: Java, Clojure, Python, C. Occasional experience: Javascript, Perl, PHP, shell scripting, Objective-C. Currently studying: Clojure, Scala, Haskell
Tools & other fields	Professional experience: Eclipse, Emacs, IntelliJ Idea, Git, SVN (prefer Git in new projects) HTTP, TCP/UDP, native code integration in dynamic/managed languages (Java JNA/JNI, Python ctypes), HTML, CSS, JavaFX2. Occasional experience: Linux server maintenance (ISC DHCP/BIND, [My, Postgre]SQL, Apache), Visual Studio. Currently studying: Android software development.
Other notable	3 years of experience in WLAN network design and maintenance. Maintaining a weather station from 2007 <a href="http://tiuhti.net/saa">http://tiuhti.net/saa</a>
Other	Finnish BC -driver's license

## **PUBLICATIONS**

Kimmo Koskinen, Radek Spáčil, Jouni Ikonen, *Location Information System - a Description of a Positioning Middleware System*, EUROMEDIA'2005, 11-13.4.2005 IRIT, Université Paul Sabatier, Toulouse, France, ISBN: 90-77381-17-1

Jari Porras, Jouni Ikonen, Kari Heikkinen, Kimmo Koskinen, Leena Ikonen, *Better programming skills through Code Camp approach*, 16th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, Lappeenranta 6-8.6.2005, ISBN 952-214- 052-X

Harri Hämäläinen, Jari Porras, Kimmo Koskinen, *WebTUTOR - A Web-based Personal Study Plan Tool*, 16th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, Lappeenranta 6-8.6.2005, ISBN 952-214-052-X

Riku Suomela, Kimmo Koskinen, Kari Heikkinen, *Rapid Prototyping of Location Based Games with the Multi-User Publishing Environment Application Platform*, The IEE International Workshop on Intelligent Environments 05, 28-29.6.2005, The University of Essex, Colchester, UK, ISBN 0-86341-519-9

Markku Multaharju, Kimmo Koskinen, Jouni Ikonen, *Floating Note—A Location Based Messaging Application*, Proceedings of 2nd Workshop on Applications of Wireless Communications, Lappeenranta 4-6.8.2004, ISBN 1456-4491

## **INTERNATIONAL EXPERIENCES**

Scholarship studies for 3 weeks in Kassel, Germany in 1999

## **HOBBIES**

Reading technology blogs, following operating system development, cats, maintaining a weather station, yard work. Generally following interesting technologies and applying them in situations that fit into my personal life.

## **REFERENCES**

Mikko Lauronen, Product Manager, Ekahau Oy, mikko.lauronen@ekahau.com, +358 46 810 9600

Jouni Ikonen, Associate Professor, Lappeenranta University of Technology, jikonen@gmail.com, +358 45 2636114