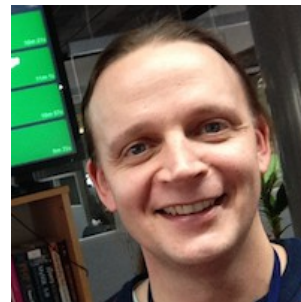# Samuli Siivonen

Skuuttihaantie 12, 02480 Kirkkonummi, Finland

+358 45 135 9997
me@samulisiivonen.com

Overview

Hands-on software professional with over 20 years of work experience. Great theoretical knowledge and a lot of skills to use it. Pretty technology agnostic but most experienced with Java and PHP technologies. Especially strong in problem solving and pragmatic programming. Effective team player who is liked and respected by his co-workers. A family man with 4 small children.

Education

1998-2004 Master of Science, University of Helsinki

Very fast studying for the first years, last years finishing up while working full time. Great grades and total study amount 40% over the minimum Masters requirement.
- Major in Computer Science
- Large Minor in Mathematics
- Masters Thesis about Machine Learning

Work

2013- Software Consultant, Samuli Siivonen Oy

Working as an independent software consultant for few very happy customers. Roles include CTO, Lead Developer, Software Architect, DevOps and Technical Problem Solver. Helping the customers to succeed in their software development and solving the hard problems. Most of the time spent as:
- Lead developer in Verkkokauppa.com (biggest eCommerce site in Finland)
- Technical lead in Nettiauto.com (biggest classified car ads site in Finland)

Technologies: PHP, JavaScript, Clojure, Bash, Ruby, Java, React.js, Node.js, REST, JSON, HTML5, CSS, XML, Git, AWS, Google Cloud, Ansible, CI, Jenkins, SQL, MariaDB, PostgreSQL, Redis, Elasticsearch, GSA, Cloudflare, Apache, Nginx, WordPress, DevOps, TDD, Scrum, Kanban, Pair Programming

2005-2013 Software Architect, Reaktor

Working as a software consultant for the number one technology company in Finland. Reaktor was selected the best place to work in Finland four times in a row and hires only the best. Customer projects included:
- Building CI environment for Java based software project with 100+ developers
- Leading the internal improvements of telecom operators' digital services system
- Developing Finland's biggest housing website

Technologies: Java, Ruby, Scala, Bash, JavaScript, Haskell, Groovy, Batch, HTML, CSS, DOM, XML, JSON, Git, Subversion, CVS, Maven, Ant, Gradle, Buildr, Bamboo, Jenkins, SQL, Oracle, Elasticsearch, HSQLDB, Agile, Scrum, Kanban, XP, Pair Programming, CI, TDD, BDD, IoC, DI, SOA, HTTP, SSL, SSH, TCP, IP, DNS, LDAP, IMAP, SMTP, FTP, UDP, Apache, Jetty, Tomcat, Lighttpd, JBoss, WebLogic, WebSphere, Servlet, Wicket, Spring, Guice, Hibernate, Struts, JDBC, JMS, SOLR, Web Start, Swing, JMX, JTA, Connectors, JavaMail, RMI, EJB, JNDI, J2EE, JSP

2000-2005 Software Developer, Regex Oy

Working as a software consultant for several Java-based software projects. Company no longer exists but was famous about the skilled Java-professionals they had. Customer projects included:

- Lead developing a marketing tool for large Finnish company
- Developing J2EE based custom CRM for a large Nordic company

Technologies: Java, Bash, JavaScript, Perl, Batch, HTML, CSS, XML, CVS, Ant, SQL, Oracle, Tomcat, JBoss, WebSphere, Servlet, JDBC, Swing, RMI, EJB, JNDI, J2EE, JSP

Some achievements

Hello World Open 2014 (Coding World Championships)

2500 teams competing against each other in programming. Every team (1-3 members) tries to program the best artificial intelligence for a race car in 2 weeks. When the time is up the programs race against each other to test which one is the best.

I formed a one man team and wrote my race car bot while working full time in my daily job and handling my family duties (3 kids at that time). My team beat over 98% of the other teams finishing in about 40/2500.

Solving "The Unsolvable Problem"

In a customer project there was a weird problem that randomly caused production environment to freeze totally. No one knew why in spite of the numerous debugging attempts.

I decided to try solving this problem. This lead to several days bug hunt which ended up in recording TCP traffic between different parts of the network and analyzing it packet by packet. The root cause of the problem was found. It was a software bug inside the hardware load balancer used in the production environment. Once the root problem was found it was easy to bypass it.

Mensa IQ test

I took the official Mensa IQ test while studying at the university. The test score was way over the Mensa membership limit.