Curriculum vitae

Kasper Dupont

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Education

Sep 1997 - Jul 2000	Bachelor study in Math and Computer Science at Aarhus University. I passed the Computer Science bachelor study in 2000. My bachelor project was about a phase vocoder, a program for sound processing in the frequency domain.
Sep 2000 - Jul 2003	Degree course in Computer Science.
Nov 2000 - Jan 2001	Engaged as part time student-programmer at Aarhus University. My job tasks were software installation and system administration on the beowulf cluster in the department.
Aug 2001 - Dec 2005	PhD study in cryptography at Aarhus University. Parallel with my study I was employed as a teaching assistant. I have been teaching in five periods, three of those periods I were teaching Computer Architecture and Operating Systems.
Aug 2001 - Jun 2003	Part A of my PhD study i worked on a protocol for threshold RSA signatures and encryption modes for use in disk encryption schemes.
June 2003	Passed my qualification exam. For this I was awarded the Master's degree and accepted for part B of the PhD study.
Apr 2004 - Aug 2004	Doing research on multi party protocols for byzantine agreement at IBM Research Zürich as part of my PhD study.
October 2005	Handed in my PhD Dissertation on disk encryption, group identification for use in software protection, byzantine agreement in close to linear time and efficient threshold RSA signatures.
December 2005	Defended my ph.d.-dissertation and was conferred the Ph.D degree in science.

Industry experience

Apr 2006 - Aug 2006	Software developer at Agillic. Developed customer self service systems for telecom industry.
Sep 2006 - Oct 2010	Site Reliability Engineer at Google Zürich. Was part of the team responsible for tape backups of important data including all of Gmail.
Nov 2010 - Apr 2011	Software Engineer at Google Zürich. During this period I was one of the two developers responsible for porting the Google tape backup system to a new hardware platform.
Jun 2011 - Present	Founder of Netiter ApS a company specialized in IPv6. Developed a unique system to connect IPv4 networks to the IPv6 Internet.

Qualifications

Programming	Long experience with C and shell scripting, some experience with C++ and Java.
Security	Ph.D degree in cryptography. Significant knowledge of storage encryption. Good understanding for security aspects in network protocols, software design and code review.
Networking	Solid understanding of the network protocols IPv4, IPv6, UDP, TCP, SMTP, HTTP.
Unix	Fifteen years of experience using Unix and Linux. Experience with development of application software for multiple Unix and Linux platforms. Experience with development of Linux kernel code. Have been teaching assistant on a course on this subject.