Kasper Laudrup

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Resume

I have a B.Sc. and master studies in computer science, both from Budapest and Copenhagen Universities.

Currently I am mainly developing in C++ on embedded Linux platforms with heavy use of the Boost libraries, which is also the platform and language that I consider to be where I'm strongest.

My technical focus has mainly been on system level development in C++ on various platforms, but I have been involved in other important parts of a development process including build system maintenance, software packaging and user interface design.

I have also been working with higher level languages including Python, Java, Groovy and Javascript and implemented web interfaces in frameworks like Grails and Django.

Apart from working profesionally as a developer, I have also been involved in various open source projects like KDE in my spare time.

I consider some my greatest strengths to be flexibility and dedication. I prefer having varied tasks to work on and don't mind taking on a new challenge and spending the time needed to learn something new.

Even though my main skill is with systems development, my ideal job would also allow me to explore new areas. It is also important for me that the development process is well-structured and that the required time is spent on making sure that the product will have a high quality in order for me to maintain the dedication to the product.

Personal Information

Date of birth	February 8, 1979
Place of birth	Gentofte, Denmark
Nationality	Danish
Marital status	Single

Education

2005–2008	**Master studies (Thesis uncompleted)**, *University of Copenhagen, Comp.Sci.*.
2004–2005	**Master studies**, *Budapest University of Technology and Economics, Comp.Sci.*.
2000–2004	**B.Sc. Computer Science**, *University of Copenhagen*. Bachelor in computer science with minor subject in film and media.
1999–2000	**Entrance qualifications**, *Technical University of Denmark*. Entrance level subjects in mathematics and physics

Career

7/2013- **Software developer**, *GreenWave Reality Aps.*
Current Writing software for controlling various wireless devices through various wireless protocols and synchronizing with server backends.
- Writing gateway software for embedded Linux systems.
  Implementing logic for communicating with devices using Z-Wave, ZigBee and Jennet protocols in C++ with Boost, as well as interfaces for mobile devices and backend servers.
- Mainting backend server software.
  Maintaining and optimizing server code originally implement in C++ using POCO libraries for collecting data from customers gateways devices as well as implementing secure communication channels using SSL with certificate based authentication.

2/2012- **Software developer**, *Code3 Aps.*
7/2013 Consultant and developer for various customers mostly Internet Service Providers and Telephone companies.
- Support system for *Skyline* ISP.
  Built a web interface in Grails for the companys supporters integrating against their existing solution based on Request Tracker in Perl.
- Updating Java Swing GUI for Telia.
  Extended existing Java Swing GUI for tracking CDR rating.
- Implementing support system for Sydfyns Energforsyning (SEF) ISP.
  Implementing a service and web frontend for monitoring status of CPEs an other equipment for supporters and technicians in Grails.

12/2010- **Software developer**, *ViewWorld Aps.*
12/2011 Designing and developing the *ViewWorld* application and backend in a small team from the ground up in a small company. The purpose of the *ViewWorld* system is to collect reports from mobile devices and storing them in a backend system.
- Design and implementation of the *ViewWorld* backend.
  The *ViewWorld* system is initially based on an open source Android client (ODK) which uses the XForms standard for defning reports. We therefore decided to use an XML database backend for storing the the collected data.
- Implementing the *ViewWorld* frontend in Python in the Django framework and client side in HTML and Javascript.
  For viewwing an editing the collected data, I was part of designing and implementing a web frontend in Python and with client side javascript.
- Minor system administration tasks
  We used the Amazon Web Services as the service for our backend systems. I took care of some minor system administration tasks related to that.

9/2007– 12/2010	**Software developer**, *Evalesco A/S*. Designing and developing network monitoring application *SysOrb* and backup application *Keepit* in a small development team. Worked on all phases of developing *SysOrb* and *Keepit* from design, development and maintenance to end user support. My main responsibility has been development, but I have been much involved in the design part as well as research on future improvements of the products and troubleshooting and bug fixing in close contact with customers. ○ Development primarily in C++ but minor development in C, Perl, Java, Javascript and PHP. The *Keepit* application was written entirely in C++, whereas the *SysOrb* monitoring application used made use of agents written in C on differing platforms as well as a web-interface to monitor these agent and the network. ○ Cross platform development on various platforms. Mainly Linux, Windows and Mac OS X but to a lesser degree other unices as well. Since *SysOrb* is designed to work across various operating systems, writing cross-platform code has been an important focus from the beginning. In the same way the *Keepit* application was designed with portability in mind, which made a port to Mac OS X and Linux trivial. ○ Designing and implementing a cross platform I/O library. In order to make portability easier, I have been heavily involved in designing, implementing and maintaining a C++ I/O library which provided a platform agnostic interface to the APIs provided on the supported operating systems. ○ GUI design and implementation using the QT toolkit. The GUI used in the *Keepit* application has been written using the QT toolkit, which I was much involved in both designing and developing. ○ Maintaining automated build system with GNU Make. In order to maintain the quality of the products developed, I have been involved in maintaining build scripts across platforms which both build the applications as well as ran various automated tests.
7/2007– 9/2007	**Web developer**, *GoViral*. Developing internal web applications in PHP. The company was involved in tracking hits on advertising displays on various websites where I was responsible for making the internal applications used for keeping these statistics.
11/2006– 7/2007 (Student job)	**Software developer**, *Evalesco A/S*. Designing and developing network monitoring application *SysOrb*. Initially hired to develop a web server for use with the *SysOrb* application, but later got involved in writing other parts of the application including an I/O library.
1999–7/2004 (Student job)	**Computer technician/System administrator**, *The Royal Veterinarian and Agricultural University*. Administering workstations, servers and network. Mainly responsible for maintaining student computers running Windows, but also maintaining Linux servers and various network devices.
1997–1999	**Computer technician/Salesman**, *Datanord A/S*. Building and selling computer systems. Primarily building custom PC systems for customers, but also selling and supporting these systems.

Conferences

5/2012	**GR8Conf**, *GR8Conf*, Copenhagen.
5/2010	**Effective Concurrency**, *Herb Sutter*, Stockholm.
10/2009	**Developer days**, *QT/Nokia*, Munich.

Languages

Danish	**Native language**
English	**Fluent**
German	**Conversational**

Spare time interests

Music	Play the guitar, the piano and the drums
Technology	Exploring programming languages, operating systems, architectures etc.
Travelling	