

ABOUT ME

E-mail address: sjors@sjorsgielen.nl
Born 1991, in The Netherlands
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I am a software engineer with a passion for highly available software. I have working experience in the industry and in various open-source projects, using primarily the C, C++, Perl, Java and Bash languages. I am strongly motivated by the positive impact I can have on other people through software I write.

WORK
EXPERIENCE

Software developer at ScreenPoint Medical **May 2014 – present**

- ScreenPoint Medical develops Transpara, a product for improving the mammography reading accuracy of physicians. It uses state of the art image analysis and revolutionary deep learning technology. I joined the company when it was spun off from the Radboud University Medical Centre in 2014.
- At ScreenPoint, I have been leading product development from the start. A large part of the product was initially developed by me, and I am currently leading a team of six developers to improve it further. This helped me to improve my management skills. Also, since our product conforms to the Medical Device Directive and relevant FDA standards, I have gained experience working with regulatory and quality affairs.

Co-founder at [Limesco](#) **November 2010 – October 2016**

- Limesco is a new virtual telecom operator, aiming to provide the best service to hackers, software engineers and IT specialists alike. It aims to give control back to the user (for example, by letting him decide how traffic is routed), provide insights in what makes a mobile operator tick, make it possible to get involved and improve things that users aren't satisfied with, and invest in mobile security research and innovations.
- Between me and the three other directors over time, Mark van Cuijk, Gerdriaan Mulder and Peter van der Veecken, there was a lot of overlap in functions and decision making. I have been involved in every step, from meeting potential business partners to writing press releases and designing promotion materials.

Billing SRE intern at Google **September 2014 – February 2015**

- I am following a Site Reliability Engineer internship at Google in Zürich, Switzerland. My personal goal is to find out how I feel about working at a large company, where making an impact can be more difficult.
- In terms of content, my focus in the internship is on load balancing of various Billing services and efficient usage of resources through it.

Software developer at UMC St Radboud (Radboudumc) **August 2012 – September 2014**

- I was a software developer at the Radboud University Nijmegen Medical Centre. At this position, I maintained software that was being developed for diagnosing cancer in breast scans.
- My work consisted of maintaining the software that was used as the basis for ScreenPoint software, porting its legacy C code to modern C++ code based on the C++11 standard, increasing code quality and robustness using automated tests and tools like Address Sanitizer.

Bachelor thesis on SIM Toolkit **December 2011 – August 2012**

- My bachelor thesis was about the SIM Toolkit standard, which allows SIM cards to contain pro-active applications of their own to provide extra services to the phone, the network and the user.

Teaching assistant at Radboud University Nijmegen **November 2011 – July 2012**

- At the Radboud University Nijmegen, I taught a programming course and two system architecture courses. I gave a weekly tutorial lecture and provided feedback on the student exercises.

Developer of [Argos Machinery](#) with VPRO **December 2010 – December 2011**

- With a group of five students, we built a web application to search through various WikiLeaks sources. This project was in collaboration with the VPRO, a public broadcaster in the Netherlands.

Technical staff at [CodeYard](#) **January 2010 – September 2011**

- I was part of the organizing staff for community days and the annual Open-Source Award, ran the website and maintained version control and other services for hosted projects.

Lead developer in the open source project [KMess](#) **March 2009 – August 2011**

- KMess was a Windows Live Messenger (MSN) client written in C++/Qt/KDE. As a lead developer, I worked on major features. I was also a mentor in the Google Summer of Code programme in 2010, and visited *aKademy*, the yearly KDE conference, twice.

Multitouch screen (high school finals project) **2008 – 2009**

- Created hardware and software for a touch-controllable system built from cheap components.

Lead developer in the open source project Starez **2007 – 2009**

- Wrote a distribution platform for video games on Linux, comparable to Valve's [Steam](#).
- Starez won the CodeYard Open-Source Award in 2008.

EDUCATION HISTORY

University of Twente, The Netherlands **September 2013 – August 2016 (did not finish)**

- Master degree in Telematics, a portmanteau of telecommunications and informatics.
- I stopped in 2016, because I chose to focus on my work at ScreenPoint.

Radboud Universiteit Nijmegen, The Netherlands **September 2009 – August 2013**

- Bachelor degree in Computer Science (Informatica).
- Bene meritum and Honours Academy judicia.

Sint-Oelbertgymnasium, Oosterhout, The Netherlands **2002 – 2009**

- Obtained high school certificate with beta profiles *Nature & Technology* and *Nature & Health* (N&T, N&G).

SKILLS AND EXTRA- CURRICULAR SIGNIFICANCES

I speak and write Dutch and English fluently and speak and write German moderately.

I have work experience with Windows, Mac OS, Linux and FreeBSD based systems. For programming, I primarily use C, C++, Perl, Java and Bash but have experience with Python, Clean (like Haskell) and other languages, and learn new languages or frameworks quickly. My extensive work with the Qt libraries granted me a Certified Qt Developer certificate from Nokia; I also have extensive experience with the C++11 and later versions of the language and Boost components.

- I have attended various open-source conferences such as [KDE aKademy](#) (with sponsorship from KDE e.V.) and [FOSDEM](#)
- I am an assurer for the [CACert.org](#) project.
- I have been a short-time volunteer developer for various open-source projects, whenever I thought something could be improved.
- I have been a mentor for the Google Summer of Code programme in 2010.
- I have a Certified Qt Developer certificate from Nokia.
- I won the Capgemini CodeYard Open-Source Award in 2008 with project Starez (see above).