

# Christoph Franke

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## Professional Experience

**Freelance Software Developer, Cologne/Berlin/Hamburg**  
**- Since July 2016**

*Javascript/Typescript, Python, PHP, HTML, CSS, MySQL,  
Bash, Vue, React, ES6, NodeJS, Nuxt, Next, Backbone,  
Kirby, GraphQL, jQuery, Less, Sass, Jest*

As a freelancer I work for individual customers on small projects or for large companies like Otto, Techniker Krankenkasse and Medimops in agile teams. Although I am specialized in frontend development, I can plan, develop, test and deploy a web project with both frontend and backend. I am aware of current trends and make informed decisions of which technology to use. You can find a detailed list of all projects in a separate project list.

**Web Developer, Raguse Scheer GmbH, Cologne - September 2015 - June 2016**

*PHP, MySQL, Python, HTML, CSS, Javascript, Bash*

*Kirby, Wordpress, Magento, jQuery, Less*

As project lead of the web department I am responsible for planning and executing web projects. This includes customer contact and planning and delegation of all tasks to meet the promised deadlines.

**Game Developer, The Good Evil GmbH, Cologne - August 2014 - August 2015**

*C#, Python, HTML, CSS, Javascript, C++, Lua*

*Unity, Django, GreensockJS, Bootstrap, Moai*

As the only programmer of this company I was responsible for technical planning and implementation of 2D and 3D computer games on iOS and Android devices. A strong collaboration with the project lead and the graphic designer was very important.

**Web Developer, Ambient Innovation, Cologne - Mai 2014 - Juli 2014**

*Python, HTML, CSS, Javascript, Django*

As a part time developer I built responsive websites for customers.

**Diploma Thesis, Fraunhofer SCAI, St. Augustin - Juni 2013 - April 2014**

*C++, CUDA*

During my diploma thesis I worked on parallel algorithms that solve high dimensional linear equation systems.

**Junior Research Engineer, Nvidia, Santa Clara - März 2013 - Juni 2013**

*C++, C, CUDA*

As a mathematician I improved existing algorithms and developed and implemented some new algorithms that helped solving high dimensional linear equations in parallel.

**Student Part Time, Fraunhofer SCAI, St Augustin - März 2012 - Februar 2013**

*C++, CUDA*

As a student I worked part time for the SAMG workgroup.

**Web Developer, Geographical Institute Cologne, Juni 2011 - Februar 2012**

*Php, MySQL, HTML, CSS, Javascript*

As a student I worked part time on web applications that would collect geographical data.

**Freelance Web Developer, Cologne, April 2010 - Mai 2011**

*PHP, MySQL, HTML, CSS, Javascript, Flash*

During my studies I developed web sites for customers in part time.

**Tutor for Analysis I, Mathematical Institute, Cologne University - Oktober 2009 - März 2010**

As a student part time job I held weekly courses for students learning the basics of analysis. I also corrected students homework and tests.

**Tutor for Programming Internship, Center of Applied Informatics, Cologne - April 2009 - September 2009**

*Java*

As a student part time job I prepared and held weekly courses for students.

## Education

Cologne University, Mathematics and Informatics Diploma, 2014  
Schiller Gymnasium Köln, Abitur, 2004

## Skills

**Programming languages**

- *C++, C, C#*
- *Javascript*
- *Python*
- *PHP, MySQL*

**Parallel programming**

- *CUDA*
- *OpenCL*
- *OpenMP*
- *MPI*

**Markup/Structured data**

- *HTML5, CSS3*
- *XML*
- *JSON*
- *Latex*

**Version control systems**

- *Git*
- *SVN*
- *Perforce*

**Languages**

- *German (native)*
- *English (fluent)*

**Operation system**

- *OS X*
- *Linux (Ubuntu, Scientific Linux)*
- *Windows*