

# Rudolf M. Schreier

 ThePadawan

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## Work experience

October 2016 –  
today

### Software Engineer, BSI AG, Zurich, Switzerland

#### Technologies

- Java
- SQL (Oracle, PostgreSQL)
- Javascript

#### Projects

- Eclipse Scout
- BSI CRM

January 2015 –  
July 2016

### Software Engineer, Digitec Galaxus AG, Zurich, Switzerland

#### Programmer

- C# (ASP.NET MVC)
- Javascript
- T-SQL

#### Architect

- design libraries for testability and scalability
- discuss architectural decisions (e.g. use of IoC containers)
- improve infrastructure (static code analysis, test coverage, Continuous Integration)

#### Project lead

- manage allocation of team-wide refactoring time
- continuous involvement in ongoing technical and Scrum training
- lead 3-month department-wide project on improving testability and maintainability of a 1m SLoC solution.
- leading workshops
- defining the best approaches towards unit, end-to-end and manual testing.

July 2012 –  
December 2012

## Graphics Programming Intern, Piranha Bytes, Essen, Germany

Updated the graphics pipeline of the in-house Genome engine (used for the "Gothic" and "Risen" franchises) with advanced DirectX 10/11 features.

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## Academic qualifications

February 2012 –  
April 2014 **Master of Science (Computer Science), ETH Zurich, Zurich, Switzerland.**

September 2013 –  
April 2014 **Master Thesis: "Augmented Reality on a Transparent 3D Display", supervised by Prof. M. Gross and Dr. Jean-Charles Bazin.**

Exploring combination of Augmented Reality and stereoscopy in artistic and technical applications (i.e. flow simulations, smoke overlays, AR mesh editing).

September 2008 –  
February 2012 **Bachelor of Science (Computer Science), Grade 5.04/6, ETH Zurich, Zurich, Switzerland.**

July 2008 **Abitur, Wirsberg-Gymnasium Würzburg, Germany.**

Grade 1.5, Focus Courses Mathematics and English.

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## Programming languages & toolchains

### Languages

Expert	C#, Python, Java, bash
Intermediate	C, C++, Eiffel, Typescript, Javascript
Basic	CSS/Less/Sass, Haskell, HTML5, Matlab

### Toolchains

Programming	ASP .NET MVC, Node.js, Grunt, AngularJS 1, Vue.js, Webpack
Technical	Git, SVN, Mercurial, Perforce, SonarQube, Gerrit, TeamCity, LaTeX
Business	Scrum/Kanban, JIRA, Confluence

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## Languages

Native	High German
Fluent	English (IELTS 8.0)
Basic	Ancient Greek, French (A2), Japanese (A1), Latin, Swiss German

References available on request.