



# MARKUS SCHEIDGEN

## SOFTWARE ENGINEER / RESEARCHER

👤 8. April 1978  
 married, two children  
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today

Post-Doc/  
wissenschaftlicher  
Mitarbeiter  
**Humboldt  
Universität  
zu Berlin**

### Experience

- (lead) developer of open-source projects for large software models, models for the web, visualization, or sensor networks
- leading small teams and advising student projects
- publishing scientific papers; presenting at, reviewing for, and organizing international conferences
- designing and giving lectures on model-based engineering and meta-modeling
- participation in the application for research funding

### Projects

**d3ng** interactive data visualization with **Angular2** and **d3.js**  
**xraw** Java-based type-safe **REST-API** library  
**twiamo** social media app with **Polymer**, **GWT**, and **AppEngine**  
 large software models (**emffrag**) and mining code repositories (**srcrepo**) with **Scala**, **MongoDB**, **HBase**, and **GIT**  
**clickwatch** sensor-network management with **Eclipse**, **EMF** and **MIT Click**.

2011

Consultant  
**Adesso**

- project office and later project manager for >1k man day projects in complex and politically charged environments
- Advising and moderation in the design of large scale IT infrastructures.

ITIL processes for eGK (gematik) and Security processes for eGK (DAK)

2009

PhD-Student  
**Humboldt  
Universität  
Berlin**

- researching languages as first class citizens in model-based software engineering
- design and implementation of model-based frameworks for language notations, structures, and semantics.

**TEF** for dynamic textual editors for DSLs with **Eclipse** and **EMF**  
**AMOF** repository implementation of OMG's **CMOF** model and **XMI**

2004

PhD

Visiting  
Researcher  
**NEC Labs, NJ**

- network and protocol modeling and simulation of ad-hoc wireless networks

Ad-hoc wireless network simulations with **OpNET**

2003

Software  
Engineer  
**DResearch**

- model-based software development in document- and test-heavy process based-on international telecommunication standards for systems with 5 nines reliability

Smart telco services and **WIN/CAMEL** protocol adapter for Siemens

2002

Software  
Engineer  
**Inforpark**

- software development and maintenance as part of the R&D team
- working with customers and integrating 3rd party software products

Web-based graphical UI for content management with **JSP** and **servlets**

1999

diplom/master