

Curriculum vitae

Personal data Adrian Heine
Burgemeisterstraße 17
12103 Berlin

Jabber: adrian@kleinrot.net
Email: mail@adrianheine.de

Parent Since January 04, 2011
Second time since July 18, 2014

Formal education

07/1994–07/1998 Nürtingen-Grundschule (Elementary school)

07/1998–06/2006 Friedrich-Engels-Oberschule (High school); Finished with high-school certificate, intensive courses in mathematics and music

10/2006–09/2009 Hochschule für Wirtschaft und Recht Berlin, Fachbereich Berufsakademie (Integrated degree program computer science); Finished with Bachelor of Science on using SOAP to communicate with VxWorks-based real-time systems

Professional experience

10/2006–09/2009 FRITZ-HABER-INSTITUT: Vocational education as part of the integrated degree program

10/2009–02/2012 COSMOCODE GMBH: Wiki research and development, web and desktop software development

02/2012– FREELANCER: Web development, JavaScript, Node.js, PHP

04/2013–06/2013 TRADEMOB: Web development, CoffeeScript, Node.js, Backbone.js

01/2014–08/2016 WIKIMEDIA DEUTSCHLAND: Web development, JavaScript, PHP

General background

Languages German, English, Spanish

Free software Co-Maintainer of CodeMirror
Former release manager for DokuWiki
Creator of libomb for Status.net
One-off contributor to basically everything I use

Free culture Contributions to the German Wikipedia and Wikimedia Commons as administrator, author of honored articles, member of the e-mail support and response team

Technical knowledge

ACME Agile Angular Apache Atmel Backbone.js Bootstrap C
CakePHP CodeMirror CoffeeScript Compound.js CouchDB C++
CSS D3.js dargs DB2 Debian Derby.js DIME DokuWiki Dovecot Ender.js
ESLint EtherpadLite Express fcgid Flash git GDB GNU/Linux
Grunt.js Haskell HHVM HTML HTML5 HTTP I18n Pug
Java JavaScript Jenkins JVM jQuery jQueryUI
Kohana LaTeX LDAP LegacyCode LESS MacOSX MariaDB
MediaWiki Meteor Mocha MIME MTOM MySQL Node.js nginx
npm OAuth OpenMicroBlogging OpenID OTRS PHP
Postfix PostgreSQL QUnit React.js RegExp Require.js Responsive
Restify Ruby RubyOnRails Rust Scala Scrum Sentry Sequelize Sinon.js
Shell SOAP Solaris StatusNet SQL SQLite Subversion Test-driven
Titanium TwitterBootstrap Underscore.js vim VisualC++ VxWorks
Wikibase Wikidata Wikipedia Windows WordPress XML
XP

Projects in the course of studying computer science (2006–2009)

| | |
|-------|--|
| SOAP | I evaluated SOAP as a high-performance protocol for transferring big binary data sets from real-time data acquisition devices to analysis systems. The evaluation included reviewing different binary attachment formats, HTTP connection parameters and SOAP stacks. |
| SMART | SMART is a high-resolution spectro-microscope installed at the BESSY electron storage ring in Berlin-Adlershof. I wrote a C++ module that captures the output of a high-performance digital video camera and provides a SOAP interface for a complex data acquisition and analysis application. The module includes a graphical frontend providing parameter adjustment and a real-time preview. |
| BAJOS | BAJOS is a C-based Java Operating System designed for embedded systems like the Atmel ATmega and AVR series. Among many other contributions I added exception handling, reviewed BAJOS' partial Java Class Library implementation and amended it where feasible. |

Free software and free culture engagement

| | |
|-------------------|---|
| Wikipedia | Beginning with 2007, I wrote JavaScript modules for performing administrative tasks in the German Wikipedia. Those scripts typically used the MediaWiki API to automatically leave notes on talk pages, delete or move files and pages, notify users via mail and talk page or compare image checksums. |
| OpenMicroBlogging | In 2009, I contributed to the free microblogging software Laconica (now Status.net). As a major addition I wrote the PHP library libomb |

which implements the OpenMicroBlogging protocol. OMB provides federation across instances by extending OAuth. Furthermore, I wrote a libomb-based WordPress plugin providing an OMB service.

- | | |
|------------|---|
| DokuWiki | From 2009 to 2012, I was a core contributor to the popular wiki engine DokuWiki. During that time I became responsible for the release process. In 2011, I put extensive effort into porting DokuWiki's custom JavaScript code to jQuery. |
| CodeMirror | Since 2016, I'm co-maintainer of the popular JavaScript-based editor CodeMirror. |

At CosmoCode (2009–2012)

- | | |
|------------------|---|
| DokuWiki | CosmoCode conducted the research project ICKE in collaboration with the Fachhochschule für Technik und Wirtschaft and three Fraunhofer institutes. In this project I worked on using Wikis in business intranets for project management, documentation and collaboration. Additionally, I developed several DokuWiki plugins for the ICKE project and other DokuWiki clients. |
| Titanium Desktop | In 2010, I developed a pure-JavaScript Appcelerator Titanium Desktop-based XML editing application for a big German tool manufacturer. The XML files are used as configuration and data for an embeddable JavaScript + XML product catalog system. |

At Wikimedia Deutschland (2014–2016)

- | | |
|------------|---|
| Wikibase | At Wikimedia Deutschland, I was part of a Scrum-based team that consisted of about 10 people. We developed Wikibase, the software powering the free-knowledge repository Wikidata. Over time, I became responsible for the front-end part of Wikibase, which consists of client-side JavaScript and server-side PHP. As part of my work, I have drastically improved the JavaScript performance of Wikibase. I have also taken huge steps to improve the architecture especially of Wikibase's front-end code by increasing modularization and reducing dependencies. Although I was focused on Wikibase's front-end side, I regularly engage in discussions and play a significant role in decisions applying to all parts of the product. |
| Eco-system | I've been contributing to MediaWiki, HHVM and lots of other projects along the way. |

Berlin, August 11, 2020