

Curriculum vitae

Personal data Adrian Heine
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Father 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
 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, September 21, 2017