

Arpad Borsos, MSc

Software Engineer

born 24.11.1986

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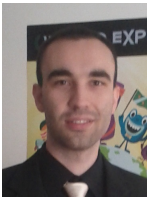
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github.com/Swatinem



Profile

An enthusiastic, perfectionist software engineer who loves to learn new things, work on free software and create minimalist, elegant and beautiful software solutions. Speaks German, English and Hungarian fluently.

Skills

Software Engineering

Has been instrumental completing projects independently or in a large distributed team.

Web Development

Strong experience with web technologies for over 15 years. Always on the leading edge of the technology.

Technical

JavaScript
C/C++
Rust
Linux

node.js
PHP
MongoDB
automation

HTML5/CSS3
Python
MySQL/PostgreSQL
version control

Education

2012 Master of Science in Engineering
University of Applied Sciences Technikum Wien
Sensible Code Completion for JavaScript Using Advanced Type Inference

2010 Bachelor of Science in Engineering
Salzburg University of Applied Sciences
WebGL as an alternative to platform-specific 3D APIs

2007 Abitur
Karls gymnasium Bad Reichenhall
Computer program to simulate radioactive decay

Strengths

- + quick learner
- + perfectionist
- + enthusiastic about technology
- + gets things done quickly and thoroughly

Volunteer Experience

- 2008 – present** Mozilla – Volunteer
- implemented [several ECMAScript 6 features](#) in SpiderMonkey
 - co-developed and maintained the former developer dashboard at tbp1.mozilla.org
 - “Your code has had a massive impact at Mozilla. The fact that one dashboard has changed the *entire engineering workflow* is incredible”
 - cleaned up large portions of C/C++ and the *make* based build system
 - implemented autoscrolling for overflow: auto elements
 - contributed to *dehydra* and *pymake*
 - worked together with a large group of distributed developers
- 2002 – present** Various free software projects – Volunteer
- regular speaker at the [ViennaJS](#) meetup
 - member of the [normalize](#) team on github
 - member of the [component](#) team on github, contributed to several components and related tools
 - optimized [gtksourceview](#), leading to a 4x speedup in certain cases
 - achieved a ~100% speedup inside the *node-mongodb-native* driver
 - contributed extension support and extensions to the *node-openid* library
 - contributed fixes and infrastructure to the *esprima* JavaScript parser
 - contributed support for classes to the *harmonizr* ECMAScript transpiler
 - designed and implemented a complete rest-ful web framework in *PHP*
 - various contributions to free software projects, see github.com/Swatinem
 - several packages published on [npm](#)
- 2012** Masters Thesis
- learned a lot about static program analysis
 - implemented a type inference in and for *JavaScript*
 - type inference is used in a *gedit* code completion plugin written in *Python*
 - using the code completion in daily work
- 2010** Bachelors Thesis
- learned a lot about 3D rendering and *OpenGL*
- 2003 – 2004** gangwars.de – Volunteer
- rewrote and redesigned large parts of the browser-based massive multiplayer online game gangwars.de written in *PHP*
- 2002 – 2005** powerscripts.org – Volunteer
- designed and implemented a complete system to manage downloads in *PHP*
 - developed a visitor counting and site ranking system
- 2001 – 2006** Various videogame related websites
- designed and managed *swat4ever.de*, *renegade-planet.de*, *quake4center.de*, *generals-world.de* and *rts-planet.de* in association with gamesweb.com and *planet-multiplayer.de*

Paid Work Experience

- 2014 - 2017** Alice-Interactive GmbH – Senior Frontend Developer
- responsible for the architecture and implementation of large parts of the pagestrip.com digital publishing app.
 - dealing with platform quirks and performance considerations on a daily basis.
 - maintained a large react codebase in modern flow-typed javascript.
- 2014** ViewAR GmbH – Senior Frontend Architect
- responsible for the user interface and platform integration
- 2013 - 2014** Ubergrape GmbH - Senior Frontend Lead
- optimized an AngularJS app for performance, achieving a 20x speedup
 - worked as primary frontend developer on chatgrape
- 2012 - 2013** UBIMET GmbH – Software Developer
- designed and implemented an internal dashboard to query and analyze meteorological parameters which is invaluable to other team members
 - designed and implemented a highly extensible form used to enter data associated with geo-referenced features
 - worked on weather-related web-sites in *JavaScript*, *PHP*, *Python* and some *node.js* tools
 - aquired strong experience working with GIS data and mapping tools
- 2011** Blue Monkeys GmbH – Freelancer
- worked in a team on meinKauf.at using *CakePHP*
- 2010** Salzburg Research – Internship
- implemented an editor for semantic ontologies using *GWT/Java*
- 2009** Salzburg University of Applied Sciences – Internship
- implemented several plugins for the *Moodle* e-learning platform in *PHP*
 - designed and implemented a software used for printing student id-cards
- 2006** bgl-medien.de – Freelancer
- designed the layout of the former website
 - wrote the complete cms in *PHP*