

David Majda

Curriculum Vitae

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Contact Information

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Professional Interests

Programming languages, especially dynamic programming languages

Syntax, semantics, principles in the background, their development, suitability for particular tasks, formalisms (e.g. functional programming, lazy evaluation), static analysis, implementation (compilers, interpreters, VMs).

Software engineering

Problems of the software design, maintainability, development methodologies, etc.

Web applications and associated technologies

Server-side and client-side web technologies.

Skills

Software, languages and technologies

- Ruby and Ruby on Rails, knowledge of Ruby interpreter internals
- PHP on Apache and IIS web servers
- HTML, CSS, JavaScript (jQuery)
- MySQL, PostgreSQL
- Java, servlets + JSP, Eclipse, Ant, Tomcat
- XUL, XBL, Mozilla/Gecko platform
- C/C++ (Microsoft Visual Studio .NET, gcc)
- Unix shell and scripting
- Windows scripting (WSH)

Operating systems

- Linux (Ubuntu, openSUSE, SLES/SLED)
- Microsoft Windows

Experience

2010–now **SUSE Linux, s.r.o**

- Ruby on Rails development on SUSE Studio (susestudio.com)

2003–2010 **Impala Design**

- Technical lead: specifying and often implementing mostly web-based projects, supervising work done by contractors

2007–2008 **Faculty of Math. and Physics, Charles University in Prague**

- Teaching about the art of writing good code (while still studying)

2004–2006 **BEEN (Benchmarking Environment)**

- Part of the team implementing a system for regression benchmarking in heterogeneous distributed environment (school team project)

2004–2006 **Czilla, Czech affiliate of the Mozilla project**

- Preparing articles and presentations about development on the Mozilla platform, maintaining the “Developers” section on the project website

2003–2005 **Charles University Computer Centre**

- Design and implementation of an intranet application, a part of university’s information system

Education

2001–2008 **Faculty of Mathematics and Physics, Charles University in Prague**

- Computer science program, specializing in software systems (master study)
- Master thesis topic: **Ruby to PHP compiler**
- Final examination passed with the best grades possible

1994–2001 **Václav Hlavatý’s Grammar School in Louny (Czech Republic)**

Other Information

Languages: English (fluent), French (basics, but willing to improve if needed)
Driver’s license: class B