

# David Majda

## Curriculum Vitae

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### Contact Information

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### Professional Interests

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#### 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

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#### 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

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- 2010–now** SUSE Linux, s.r.o ([www.novell.com/linux](http://www.novell.com/linux))
- Ruby on Rails development on SUSE Studio ([susestudio.com](http://susestudio.com))
  - Designed and implemented the appliance upgrade feature
  - Part-time contractor for first few months, full-time employee later
- 2003–2010** Impala Design ([www.impaladesign.cz](http://www.impaladesign.cz))
- Consultation work mainly in the web applications domain
  - Team work and leadership, commercial deployment experience
- 2007–2008** **Taught two classes about the art of writing good code during my studies at the university**
- The target was to teach students to write well-arranged, high-quality and maintainable code
  - The classes were created after I've perceived lack of classes in practical software engineering on the faculty and complained to the software engineering department's staff
- 2004–2006** **BEEN (Benchmarking Environment)**
- Part of the team implementing a system for regression benchmarking in heterogeneous distributed environment (school project)
  - Responsibility for the user interface, runtime environment, internal query language, API design, coding conventions, documentation, project website, etc.
  - Organization and scheduling of the development work
  - The project is now open source, available at [been.objectweb.org](http://been.objectweb.org)
- 2004–2006** **Czilla, Czech affiliate of the Mozilla project ([www.czilla.cz](http://www.czilla.cz))**
- Preparation of articles and presentations (LinuxExpo 2005, 2006) about development on the Mozilla platform
  - Administrator of the “Developers” section on the project web, partial author of its contents
- 2003–2005** **Charles University Computer Centre ([uvt.cuni.cz](http://uvt.cuni.cz))**
- Design and implementation of a web application in PHP + MySQL/Oracle, part of the university's information system

## Education

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**2001–2008** Faculty of Mathematics and Physics, Charles University in Prague (Czech Republic)

- 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)

- Excellent grades during the whole studies
- Final examination passed with the best grades possible

## Other Information

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