

# Ondrej Moriš

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## Summary

In my academic life at Masaryk University I was broadly interested in algorithm engineering with a particular interest in route-planning algorithms and combinatorics. In my professional life I am a quality assurance engineer of Red Hat Enterprise Linux. My work is focused on tests automation of components related to the security and government certifications (FIPS 140 & Common Criteria). I am skilled in Linux system administration, C/C++ programming and shell scripting. I have working experience with Java, minor working experience with Python and a moderate understanding of C#, Scala, Go and markup languages.

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## Education

- 2010–2012 **RNDr. in Computer Science**, *Faculty of informatics, Masaryk University, Brno.*  
Field of Study: Informatics. Supervised by doc RNDr. Petr Hliněný, Ph.D.  
Thesis: Practical Route Planning Algorithms
- 2008–2010 **Master in Computer Science**, *Faculty of informatics, Masaryk University, Brno.*  
Field of Study: Informatics – Computer Systems.  
Thesis: Efficient Route Planning in Huge Graphs With Limited Resources
- 2005–2008 **Bachelor in Computer Science**, *Faculty of informatics, Masaryk University, Brno.*  
Field of Study: Applied Informatics (Parallel and Distributed Systems, Comp. Systems & Security).  
Thesis: Route Planning for Huge Graphs
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- 2013 **Winter School on Algorithms**, Beroun, Czech Republic.  
The University of Warwick (UK) and West Bohemia (CZE), December 12 - 15, 2013
- 2011 **Summer School on Mobile Phone Programming**, Aalborg Universitet, Denmark.  
July 22 - August 15, 2011
- 2011 **Block Course on Methods in Graph Drawing**, Technische Universität Berlin, Germany.  
March 22 - April 8, 2011
- 2008, 2009 **Spring School on Combinatorics**, Rokytnice nad Jizerou, Borová Láda, Czech Republic.  
Annual two weeks international spring school sessions organized by Charles University

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## Employment

- 2009– now **Senior Quality Assurance Engineer**, *Red Hat Czech, s.r.o., Brno.*  
Red Hat Enterprise Linux, Base OS - Security and Government Certifications
- 2012 **GSOC - Student Developer**, *Google, Inc. & TU Dortmund, Germany.*  
Google Summer of Code, Open Graph Drawing Framework  
Implemented hypergraph drawing layout into OGDF (the certificate of completion awarded)
- 2008 **Open Source Developer**, *SUSE Linux & Faculty of informatics, Masaryk University.*  
Linux Projects summer program  
Sound preprocessing in Twinkle (double scholarship awarded)
- 2007–2008 **Java Developer**, *Unicorn, a.s. & Vigour, a.s., Brno.*  
Banking information system development

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## Teaching & Supervising

- 2008–2014 **Seminar Assistant**, *Faculty of informatics, Masaryk University, Brno.*  
Mathematical Foundations of Computer Science, e-learning & seminar tutor
- 2011–2015 **Supervising bachelor students**, *Masaryk University & Brno University of Technology.*  
(expected) Practical Route Planning Algorithms (2011), Route Planning With Restrictions (2013), Automated Tests Execution in Libreswan (ongoing)

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## Awards & Certifications

- October 2011 **MEMICS 2011**, *Doctoral Workshop on Mathematical and Engineering Methods in CS.*  
Generalized Maneuvers in Route Planning (with Petr Hliněný), best paper award
- May 2008 **SVOČ 2008**, *Czech & Slovak University Students' Scientific Competition.*  
Applied informatics, awarded second prize
- May 2013 **Red Hat Certified Security Specialist.**  
Certificate Number: 100-183-078
- May 2013 **Red Hat Certified Virtualization Administrator**, *Red Hat Enterprise Virtualization 3.1.*  
Certificate Number: 100-183-078
- February 2011 **Red Hat Certified Engineer**, *Red Hat Enterprise Linux 6.*  
Certificate Number: 100-183-078
- March 2011 **Red Hat Certified System Administrator**, *Red Hat Enterprise Linux 5 and 6.*  
Certificate Number: 100-183-078
- June 2009 **IBM Certified Solution Designer**, *Rational Unified Process v7.0.*  
Certificate Number: PR1093871

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## Technical Skills

|             |          |                           |              |
|-------------|----------|---------------------------|--------------|
| C/C++, Java | Advanced | Shell Scripting           | Advanced     |
| Python, C#  | Basics   | T <sub>E</sub> X, HTML... | Intermediate |
| Scala, Go   | Basics   | UNIX/Linux                | Advanced     |

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*Advanced* working experience

*Intermediate* no working experience, understanding and writing any code

*Basics* no or minor working experience, understanding any code, writing simple programs

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## Language Skills

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| Slovak, Czech | <b>Native</b>                        | <i>CEF Level C2</i> |
| English       | <b>Full professional proficiency</b> | <i>CEF Level B2</i> |
| French        | <b>Elementary proficiency</b>        | <i>CEF Level A1</i> |

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## Interests

- Professional Problem Solving, Algorithm Engineering, Beautiful Algorithms and Combinatorics
- Personal Bodybuilding, Running, Squash, Hiking, Football, Reading, Cinema and Theatre