

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name **MGR. TOMAS HNILICA**  
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Nationality Czech  
Date of birth 28.07.1979



## WORK EXPERIENCE

- 2013 – 2017 **CLEVERTECH.BIZ (USA, NY)**  
Software architect, database engineer, senior developer  
Main activities:  
  - MVC based web applications design and development, Yii framework, php, mysql
  - large data optimization, database architecture (maintaining large complex DB used by client worldwide)
  - automated testing
- 2009 – PRESENT **TREUAPPS.CZ (WWW.TRUEAPPS.CZ)**  
owner, analysis and architecture of web applications, DB architecture, project management. Mobile applications development. C/C++ 3D visualization research.  
Main activities:  
  - MVC based web applications design, Yii framework, php, mysql
  - Running SaaS services: [www.simbila.com](http://www.simbila.com), [www.lunchdrive.cz](http://www.lunchdrive.cz), [www.eventplace.cz](http://www.eventplace.cz)
  - custom software development
  - mobile applications architecture and development
  - research and development of large FEM models 3D visualization engine: C/C++, Qt, OpenSceneGraph: see education section.
- 2005 – 2010 **CADFEM GMBH (GERMANY)**  
software developer, ANSYS customization.  
Main activities:  
  - User interfaces, computer graphics, data visualization: C/C++, OpenGL, Qt, OpenSceneGraph development
  - Graphical user interfaces for ANSYS customization: Tcl/Tk
  - Documentation workflow: XML, XSLT, HTML, Tcl/Tk
- 1998 – 2005 **WEBSTEP, S.R.O.**  
partner of software development company  
  - information systems analysis
  - web applications and information systems development and support
  - server administration  
Main activities and responsibilities:  
  - development and implementation of FlexiWeb – web content management system
  - analysis, development and implementation of web applications
  - analysis, development and implementation of intranet information systems

2003

**HYPERMARKET.CZ, s.r.o.**

subsidiary of WebStep, s.r.o., business oriented

- managing of new business-like activities with German partner
- analysis, development and implementation of information system

**EDUCATION AND TRAINING**

2008 – 2014

**External PhD study, Faculty of Informatics, Masaryk university Brno, CZ**

Focused on large FEM models visualization. Research in area of large datasets visualization. Implementation in C/C++, QT, OpenSceneGraph, stXXI.

1997 – 2002

**Studies on Faculty of Informatics, Masaryk university Brno, CZ**

Title: Mgr., qualification: information systems.

1990 – 1997

**Studies on Gymnasium Taborska 185, Brno. (high school)**

**PERSONAL SKILLS AND  
COMPETENCES**

LANGUAGE SKILLS

**ENGLISH:** Read, write, verbal: fluent

**GERMAN:** Read, write, verbal: very good

**CZECH:** fluent

SOFTWARE SKILLS

Experience with information systems analysis, designing and implementation.

Platforms:

- WIN32: application development
- Linux/Unix: administration of the system

Programming languages, APIs: C, C++, Visual Basic, PHP, learning JAVA, Tcl/Tk, OpenGL, FOX-toolkit, QT, OpenSceneGraph

Web based: Yii, JavaScript, jQuery, HTML, XML, XSLT

Databases: DB administration, SQL

Hybrid mobile applications development (ionic framework, angularJS)

Usual PC usage – office software, graphics software: standard.

DRIVING LICENCE

passenger car, motorcycle

**INTERESTS, ACTIVITIES &  
OTHER**

GOLF: member of Sokrates golf & country club

winter sports (snowboard,ski), squash, tennis, football, cycling

organisator of summer camp for children – since 1999

modern music, travel