

# ISTVÁN KULCSÁR

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## Overview

I'm a software engineer with more than 10 years of experience in the development of tools which help the engineering daily routines. I've been working on applications which are built in or closely communicating with CAD software like AutoCAD, Revit. Through the years the progression of cloud base services and internet bandwidth gave place to migrate some of the features into the internet. This is why I have a lot of experience in web development; backend and frontend as well. During my works, opportunities arose for me to participate in all different stages of the development from the planning to the support.

Next to my full-time jobs, after work hours I've often participated in extern projects in very wide variety of fields and development stages. These opportunities helped me a lot to be able to adapt fast in new project environments and get experience in many frameworks and technologies, which are popular nowadays.

Thanks to my experiences in many programming languages, I'm able to do independent and efficient work on a wide range of the IT field. Because of my architectural engineer degree, I'm able to consult easier with engineer costumers who are not so expert in IT to define their exact requirements.

## Knowledges

- Full-Stack Web development
- Application development on Windows and Linux environment
- Great knowledge of CAD software
- Knowledge of BIM processes and problems
- Knowledge of laser stake out solutions (Trimble Robotic Total Station)
- Knowledge of virtualization technologies

## Skills

- Great problem-solving skill
- Independent working
- Fast adaptation to work in different environments
- Process centered view
- Fast learning new technologies
- B category driver license

## Work experience

**Software Engineer** - 07/2012 - Currently

**TGA Consult Kft**, Budapest

- Define software requirements
- IT support in the implementation of BIM processes
- Select the appropriate technologies
- CAD plugin development for AutoCAD, Revit, Navisworks
- Web development with PHP, Javascript and MySQL
- Developing tools to help engineering work in C++, C# environment
- Helping in IT administration
- Defining tasks for colleagues
- Checking and integrating code which were made by colleagues

**Software Engineer** - 09/2010 – On halt
*(Private project with a HVAC Engineer business partner)*
**CadWatt**, Budapest

- Define software requirements
- Select the appropriate technologies
- Application development to AutoCAD with ObjectARX C++ library
- Server configuration and management – Debian, PHP OOP, MySQL
- Custom time-based licensing solution – based on RSA encryption
- Data communication with WinWatt calculation software (DDE)
- Defining sub-tasks for colleagues
- Checking and integrating code which were made by colleagues

**System administrator, Web development** - 05/2011 - 05/2012
**Promo Facilitaire Diensten**, Nijmegen

- System administration (Active Directory, Exchange)
- Operate Wordpress eCommerce system
- Developing custom PHP based solutions to synchronize inventories with suppliers
- Creating and updating company websites
- Developing Wordpress plugins

**Geodetic survey internship** - 02/2010 - 06/2010
**Altiplanas, UAB**, Vilnius

- On field survey with GPS and Theodolite technology
- Process surveyed data in AutoCAD

## Education

BsC: **Architectural Engineer** – 2006-2016
**Szent István University – Faculty of Ybl Miklós Architecture and Civil engineering**, Budapest - Hungary

Erasmus scholarship: **Architectural Engineer** – 2009-2010
**Vilniaus technologijų ir dizaino kolegija**, Vilnius - Lithuania

## Languages

English – C1
German – B1

## Technologies

Frameworks: **Codeigniter, Laravel, Zend, NodeJS, ExtJS**
Program languages: **PHP OOP, JavaScript, HTML5, CSS, SQL, MySQL**, **SqLite3, Lisp, C++, C#**
APIs: **ObjectARX, RevitAPI, M-Files API, MS Graph API**
Others: **VirtualBOX, Vagrant, VMware, GIT**

## Hobbies

Hiking and gardening
Numismatics and antique books