

# Zsolt Vassy

**Name:** Zsolt Vassy  
**Date of birth, place:** 6th of June 1980, Nagyvárad  
**E-mail:** [zsolt.vassy@gmail.com](mailto:zsolt.vassy@gmail.com)  
**Mobile:** +36(20)4747405  
**Address:** 1153 Budapest, Bocskai u. 151/A 3.



## Qualifications

- Software Designer/Developer/Programmer with history of productivity and successful.
- Experience in software design/development for large businesses (high users volume, high availability)
- Participation in researching works (developing artificial intelligence, researching non linear time functional data structures, clustering of biological networks).
- Sales and negotiation experience.
- Tireless to learn.

## Technical Skills

- Programming Theory:
  - Algorithms and data structures
  - Objected oriented software development
  - System analysis and operational experience
  - Artificial intelligence: learning systems
  - Web application development
- Languages:
  - Java: JDK 1.6 (1.5)
  - J2EE: JSP, EJB, tomcat, Spring framework, jasper, hibernate, swing;
  - C/C++; .COM;
  - PHP; ASP; Python; Perl;
  - AJAX: qooxdoo, GWT, vaadin.
  - CORBA
- IDE Tools:
  - Eclipse
  - Microsoft Visual Studio 6.0, Microsoft Visual Studio 2005
- RDBMS:
  - MySQL, MS-SQL
  - DB2, ORACLE
- Technologies:
  - Object oriented programming
  - XML,UML (Rational Rose)
- Platforms:
  - Windows 95/NT/2000/XP/7, Windows server
  - UNIX (IBM AIX, HP-UX)
  - LINUX (Red Hat, Suse, Debian, Ubuntu, Fedora)
- Version Management:
  - CVS, SVN, CMVC, Visual Source Safe
- Office applications:
  - Ms-Office, Outlook, Lotus Notes

## Professional Experience

### Quark Számítástechnikai Bt.

2005 - Present

[www.quarksolutions.hu](http://www.quarksolutions.hu)

Quark Bt. is a private business doing software design and development as a subcontractor. Besides the end to end software development (design, development, documentation, testing) I've got sales and negotiation experience; as managing director also got business administration and accounting experience.

Last years I took part in following projects:

#### Development of BioXM software

The BioXM Knowledge Management Environment is a fully customizable knowledge management (KM) solution for better integrated and knowledge-based drug discovery and development. This project-centered, distributed software platform provides a central inventory of information and knowledge. Users create, manage and visualize scientific models as an extendible network of interrelated concepts.

Added external database handling: full integration of external database tables and views in BioXM project.

*Technologies:* Java, Swing, Tomcat, Hibernate, CORBA, XML, SVN, My-SQL, ORACLE

*More info.:* <http://www.biomax.com/products/bioxm.php>

#### Re-Design and development of Call accounting system

Re-Design and development of a fault tolerant, scalable Call accounting system, with web based user interface for administrators and users.

*Technologies:* Java, Spring Framework, Tomcat, Hibernate, AJAX: VAADIN, Jasper, XML, Commons-email, PHP, JSON, Tomcat, CVS, My-SQL, MS-SQL

#### Customization and development of CRM and business process management system

Customization and development of a **sugarcrm** based crm and business process management software (**infoathand**) in accordance with QAS requirements.

Added a new complex and configurable web based (AJAX: GWT) reporting tool to generate fully customizable reports (about sales, marketing, customer support, inventory management, employee worksheet) in various user-friendly formats such as PDF, HTML, XLSX, XLS, XML and MS WORD (DOCX).

*Technologies:* JAVA, AJAX: GWT, Jasper, XML, Commons-email, PHP, JSON, Joomla, Tomcat, CVS, eventum, My-SQL

#### Reporting module for Call Accounting System

Design and development of a complex, user friendly reporting tool with web based user interface for administrators and users (scheduling reports generation and delivering to the users through mail).

*Technologies:* JAVA, Jasper, Commons-email, PHP, Tomcat, CVS, eventum, My-SQL, MS-SQL

#### License management software

**License Server** development: the license information stored in encrypted license files in xml format, the developed service can read and shared the information. The License Server is multithreading, communicates on encrypted sockets, date set back safe, has license file identification based on host name or mac address.

*Technologies:* JAVA, sl4j, XML, CVS, RSA

**License Clients:** the clients can do encrypted communication with the license server, developed using multiple programming languages, this way making the license information available for different platforms.

*Technologies:* C++, .COM, JAVA, XML, CVS, RSA

**Web based License management tool:** this tool can create license files, has a connection to a customer and project management system and can administrate the license files and generate the license document in pdf.

*Technologies:* JAVA, JSP, XML, Jasper, Tomcat, CVS, eventum, My-SQL, RSA

#### Wallboard application for Cisco Unified Contact Center Express

Added features for web interface of a wallboard application for customer contact centers to visually aid supervisors and agents with real-time statistics on call traffic and handling, resolved memory leak problem of the application.

*Technologies:* AJAX, qooxdoo, JAVA, Tomcat, CVS, eventum, My-SQL

*More info.:* <http://www.tcandc.com/pages/dcview?page=ccinfo>

#### Call Accounting System

Added features for web interface of call accounting system (modified extension management and user management).

Design and development of SAP integration module for call accounting system.

*Technologies:* Visual C++, JAVA, Jasper, PHP, Tomcat, CVS, eventum, My-SQL, MS-SQL

*More info.:* <http://www.tcandc.com/pages/dcview?page=caspro>

#### Voip Voice Mail System

Design and development of a fully redundant and fault tolerant IP Voicemail server (scalable up to 100000 users), with web based user interface for administrators and users, and a Cisco XML IP phone based frontend.

*Technologies:* Java, Spring Framework, Tomcat, Hibernate, SVN, Trac, My-SQL, MS-SQL

*More info.:* <http://www.quarksolutions.hu/en-project-voicemail.html>

### **ELTE, Department of Physics of Complex Systems – MTA Sztaki. 2005-2007** [www.galahad.elte.hu](http://www.galahad.elte.hu)

Participate in research: design, development and testing of supervised and unsupervised learning systems; design, development and building of linguistical networks.

*Technologies:* Java, JGRAPHT, My-SQL

### **TC&C Kft. 2002-2005** [www.tcandc.com](http://www.tcandc.com)

TC&C is focused on VoIP innovation (call accounting, call recording, call center based software). As a software engineer I took part in development of Call Accounting (for digital or IP call managers) and Telecommunication Charge Management software (Windows NT services, web based user interfaces). I've got experience in software design and development, documentation, specification, negotiation.

*Technologies:* Visual C++, PHP, My-SQL

### **Varetis Communications HU Kft. 2001-2002** [www.varetis.com](http://www.varetis.com)

Varetis AG developed information systems for telecommunication companies. My task was to develop, test the data mining and refining software which transformed the existing database of telecommunication companies to a more effective database format.

*Technologies:* Java, RMI, Tomcat, HP-UX, AIX, DB2, XML

### **Terasz.hu Kft. 2001-2001** [www.terasz.hu](http://www.terasz.hu)

Cultural web portal development.

*Technologies:* PHP/MySQL.

### **Uproar Hungary Kft. 2000-2001** [www.uproar.com](http://www.uproar.com)

Participation on international game portal development.

*Technologies:* Html-, Javascript-, ASP-programming.

## Education

<b>Eötvös Lóránd University</b> , Budapest, master of physics, specialized on biological physics, statistical physics	1999 – 2008
<b>Univeristy of Oradea</b> , technical informatics	1998 – 1999
<b>Ady Endre Highschool</b> , Nagyvárad, specialized in mathematics and computer science	1994-1998

## Language

**Hungarian** – native language  
**Romanian** – excellent (spoken, written, reading)  
**English** – fluent (spoken, written, reading)  
**French** – base (written, reading)

## Other knowledge

Driver license  
Education practice

## Hobbies

Analyzing of stock exchange data or other non linear time functional data structures. Interested in results of organized systems, biological graphs research.  
Roller blading, long distance running.  
Salsa, hungarian folk dance.