

Résumé

Personal information

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Work experience

Period: March 2007 –
Job description: Lead developer
Responsibilities: One of my tasks was to lead the refactoring of our main system to make it more robust and reliable, and to audit the code base against security vulnerability.
I changed the complete development process to make it more error prone and I started to introduce using new tools for documentation and bug tracking purpose (Atlassian's Confluence and JIRA).
I set up internal training for the PHP developers, and I guided most of them on various topics related to development.

My current main tasks are now:

- Creating a better monitoring (with automated functional tests) system which helps us to detect errors as soon as possible.
- Analyze how can we use (and make it part of our development process) Continuous Integration pattern.
- Oversee PHP developments and the documentation process.

Period: May 2006 – March 2007
Job description: web application developer
Responsibilities: I develop websites owned by the company as a member of a bigger group. My major task is developing an international payment service where customers can pay in a variety of ways. I had to redesign the general architecture of the payment process, and develop the classes that implement it. I participate in creating the administration web application used by the support team, which uses COMET technology (running stable on Internet Explorer and Firefox too) and XAJAX.

- design and development of a multi-tier application (PHP/MySQL/MSSQL, HTML/JavaScript/AJAX)
- database design and programming, query profiling and optimization (MySQL)
- getting experience in developing high traffic sites

Employer: Jasmin Media Group (<http://www.jasminmediagroup.com>)
 P.O. Box: 1550 Budapest PF. 24
 Phone: +36 30 4757 881

Profile: Informatics, adult content service, running sites (PHP/Flash/AJAX) with very high traffic (over 130 million hits a day)

Period: December 2005 – March 2006 (parallel work)

Job description: application developer

Responsibilities: I participated in creating the <http://www.mol.hu> website which is a multilingual site running in five countries across Europe (MOL is a Hungarian oil company). My task was creating several sub modules and their administration area. (FAQ, Order form, Questionnaire, Vote). I assisted in developing the main engine handling the public interface of the site, and also in designing the inner architecture of the administration area. In addition to that, I developed the microsite motor of the site, implemented user and permission administration, and created the alert/notification system.

- application design and development (PHP)
- database design and programming (Oracle)
- web design (HTML, JS, PHP)

Employer: Wildom Informatikai és Tanácsadó Kft. (<http://wildom.hu>)
 1134 Budapest, Róbert Károly krt. 59./A
 Phone: +36-1-8142158
 Email: wildom@wildom.com

Profile: Informatics, application development, SEO, consulting

Period: May 2005 – April 2006

Job description: lead application developer

Responsibilities: I developed intranet applications, business control applications. My secondary task was maintaining the firm's own framework for developing PHP programs, and designing its next generation version. In addition to that, I took it upon myself to enhance and fine-tune the inner workflow of the company, such as implementing a mail policy, using appropriate bug-tracking and version-tracking systems, etc. and to keep broadening our horizon regarding up-to-date technological know-how and the use of cutting-edge software, thus making our work more effective and much more enjoyable.

- design and development of a multi-tier application (PHP, HTML/JavaScript/AJAX)

- database design and programming (MySQL, ORACLE)

Achievements: - Nagymaroscsoport: I participated in developing the company's own ERP system (using AJAX technology).

- Béres Gyógyszergyár ZRT.: Again, I participated in developing the company's own ERP system, in implementing utilities for data migration between various data systems (e.g. Oracle, Active Directory) and also in developing a stand-alone module, which was responsible for supporting the filtering, reporting and rating of financial data (importing data from market research companies, providing an interface for managing data, defining data segmentation patterns, providing graphic reports, generating PDF reports, etc.)

- MobileAgent: a system based on an interesting idea: it enables the user to assemble various messages (polls, calendar entries, etc.) for use with cellular phones via a web-based interface. The system can accept and track the replies to these messages and build statistical data and graphic reports based on them. (I didn't take part in developing the mobile client.)

- info.orvosoknak.hu: a news portal for doctors. Points of interest: version-controlled new items, RSS channel imports, tagable news articles, personalized home page, newsletter, RSS feed.

Employer: Simbelmyne KFT. (<http://www.cpeed.hu>)

1024 Budapest, Keleti Károly u. 26.

Email: info@simbelmyne.hu

Profile: Informatics, application development (PHP, Symbian), e-business

Period: June 2004 – April 2005

Job description: application developer

Responsibilities: I developed custom software, web portals and ERP systems. I also had a big part in enhancing the software engine responsible for creating the administration interface of the company's systems

(making them much more efficient in the process) and redesigning the multi-tier infrastructure used by the public web pages. At this company I was fortunate enough to have an opportunity to take part in creating websites for many prominent Hungarian companies, and also to experience working in a large development team.

- database design, programming and optimizing (MySQL, ORACLE)
- application development (PHP)
- web design (HTML, JS, PHP)
- training other developers (OOP, design patterns, PostgreSQL, CVS)

Achievements: These are some of the websites I helped develop (usually as a member of a team of 2 or 3 developers):

- <http://www.mtv.hu> – developing the website and its administration interface
- <http://exit.hu> – developing the website and its administration interface, developing an inner editorial system
- <http://mtrfh.hu> – developing the website and its intranet and administration interface
- <http://nhh.hu> – developing the website and its intranet, extranet and administration interface
- <http://www.bosch-haztartasi-gepek.hu> – developing the website and its administration interface
- <http://www.mistral.hu> – developing the website and its administration interface
- <http://juventusteam.hu>, <http://gepbolt.hu> – enhancing the existing system by adding various new functions and features
- <http://dunatower.hu> – developing the administration interface for the site and providing the XML output necessary for Flash applications

Employer: Carnation Consulting zRT. (http://carnation.hu/index_en.php)
H-1113 Budapest, Bocskai út 134 -146
Phone: +36 1 887 5353

Profile: Informatics, application development, consulting, e-business,

Profile: online branding, online campaigns

Period: April 2002 – May 2004 (full time job)

Job description: application developer

Responsibilities: I participated in creating the IVR System of TV2 (one of the two big Hungarian commercial broadcasting corporations). My task was designing the database, creating the flowcharts of the different processes of the application and developing the web based administration area (PHP/PostgreSQL/my own AJAX-like

communication framework).

I took part in developing a system for the Hungarian Ministry of Home Affairs based on Java and Oracle technologies. My task was writing servlets.

I developed a web based administration system for an internet café, which was responsible for handling the assignment of computers, rentals, till, money traffic (PHP/PostgreSQL/my own PHP application framework).

- database design and development (MySQL, PostgreSQL, ORACLE)
- application development (PHP, Java servlet, Delphi)
- developing rich client interface (HTC/DHTML Behavior)
- developing a communication framework using XMLHTTPRequest object

Employer: NetworX System KFT. (<http://networxsystem.hu>)
1145 Budapest, Tallér utca 24.
Phone: +36 70 2466 525

Profile: Informatics, application development, system audit

Period: August 2001 – March 2002 (part time job)

Job description: application developer

Responsibilities: - application development (PHP)
- web design (HTML, JS, PHP)

Employer: eNetwork Bt. (the company has since ceased its operation)

Profile: Informatics, application development

Period: September 2001 – May 2002 (part time job)

Job description: web developer

Responsibilities: I created the Hungarian website (PHP/MySQL) of the BRAVO magazine (including administration area). I also developed a portal (including administration area) providing amusement information for young people (PHP/MySQL/my own JavaScript layer handler and effect library).

- web design (HTML, JS, PHP)

Employer: Joyride Production Agency

Period: September 1997 – May 1998 (part time job)

Job description: database application developer

Responsibilities: - database design and development (dBase, Clipper, Foxpro)

Employer: Gázdíj KFT
1147 Budapest, Jávorka Ádám utca
Phone: +36 1 2523 745

Profile: Issuing invoices for Gázművek

Education

- Period: 1997-2004
- Institution: Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics
- Graduate: Master of Science
- Major specialty: Computer Systems
- Minor specialty: Programming Technology
- Thesis: Designing and creating a web application framework in PHP. The goal of the project was to show various ways of increasing the productivity of web-based development, security risk assessment and implementing countermeasures against identified security holes. Features:
- MVC design pattern-based implementation
 - Incoming data processing (filtering, rules)
 - Advanced, secure session management
 - Template-based, easily adaptable to third-party template manager
 - Advanced form management (forms are configurable via a web interface; items can have associated rules which are automatically checked and client-side JavaScript checking code is generated automatically if necessary; facilitates use of custom user items; uses its own customizable renderer object for display)
 - User management, user rights and privileges management (accessible via own administrator interface)
 - Developer module: contains various code generators, such as action, view and template skeleton generators; web interface for editing forms, setting action access rights.
- Comment: The reason it took me 7 years to complete my education here was that I wanted to avoid being drafted by the Hungarian military.

Additional information

- Language skills: English (intermediate C level certificate)
German (intermediate A level certificate)
- Personal skills: Good problem solver
Quick to recognize the algorithm of a process
Good system approach
Excellent organizer and team synchronizer
Continuous improvement of my knowledge in various areas of informatics
- Used programming languages: Pascal, dBase, Clipper, C/C++ (needs refreshing), Assembly basics, SQL (Oracle, PostgreSQL, MySQL, MSSQL), PHP, Java Servlets, HTML (XHTML/CSS (not tableless)

design)/JavaScript/AJAX/COMET), XML/SOAP, Corba, UML/RUP, Delphi basics

Community activity: I'm a member of the editorial team of the portal <http://weblabor.hu>, which is now the one of the best and most visited Hungarian professional sites related to web programming and similar technologies, where I regularly publish articles, always with positive feedback. I took part in organizing the First Hungarian Perl Conference and the First Hungarian Web Conference. I like open source developments, for example I helped a little with the PEAR::QuickForm package (generating client side JavaScript validation code).

Publication:

- [Object oriented JavaScript development under the hood](#): this is a hitherto sparsely covered topic about the inner workings of the language, and the possibilities of object oriented programming in this context.
- [Object oriented vs procedural programming in terms of code reusability](#)
- [Cross-browser turbo textarea from Santa Claus](#): this article shows a cross-browser solution to handling the content of a textarea from JavaScript (I never saw this solution before on the net).
- [Editing remote files locally using SSH tunneling](#)
- [Serving files from PHP](#): an article about how to serve files from PHP in an effective way, and another interesting topic: how can we write a handler which can resume downloading.
- [The structure of emails – step-by-step I.](#): an introduction to the RFC 2822.
- [Right management](#): a complex example on how to handle user rights
- [What's new in PostgreSQL 8](#): an introduction of the new features of PostgreSQL version 8.
- [DAO – Database handling in another way](#): this article shows a genuine solution how to set up database manipulator code and how to handle errors generated by them.
- [Secure PHP programming](#): this is a comprehensive article about the various threats (SQL injection, XSS, CSRF, etc.) which can occur in a web environment, and how to defend against them.
- [Communicating with server without page reload](#): an article about the different techniques on this topic, and I present a full AJAX-like (that was before AJAX label presented) framework which makes it easy to send requests to the server via XmlHttpRequest object. I used this framework successfully in 2002 in commercial applications.
- [Creating secure session handling](#): this article show the various methods of session hijacking and how to defend against them.
- [Basics of session handling](#)

Personal interests: - playing pool
- reading books
- sports (volley-ball, squash, jogging, ...)
- movies