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George Presură

Personal Information

- Born date : March 9 1981, Galati , Romania
- Nationality : Romanian
- Marital staus : not married

Studies

- 1996 - 2000 – Highschool diploma, "Energetic" Highschool, Galați
- 2000 – Professional certify, "Programmer, Beginner"
- 2000 - 2005 – Bachelor Degree in Computer Science, University "Dunarea de Jos", Galati, Romania
- 2004 - present – employee of UTI Systems SA, Romania, job title: Software Developer, Information Systems Security Department

Professional Experience

- 1997 – 2000 <> Developing applications using Borland Delphi and Visual Basic, for didactic purpose only (to understand the concepts and functionality of visual development environments)
- 2000 – 2004 <> Developing, implementing and maintenance of an distributed system for content management for SC Top Service SRL, Galați (websites: www.bas.ro, www.buletinulauto.ro, client database: MS Access, server databas: MySQL, programming in VBA, ASP, PHP)
- 2002 <> www.eanunturi.ro and www.piataauto.ro, SC Virtual Business SRL (Linux, Apache, MySQL, PHP)
- 2003 <> www.npcompany.com (Photoshop 7, Flash MX)
- 2003 - 2005 <> part-time programmer for NPC (website: www.npcompany.com)
- 2003 - present <> developing software modules: A7TOPMenu2, A7LINKXmgr, A7FOLIOMgr2, A7UPdata2, A7MYaccount for Atelier-7 Services (www.atelier-7.de), Germany (Linux, Apache, MySQL, PHP, PHPProjekt 4, C++ Builder)
- 2004 <> developing multi-functional server concept using open-source / free software (Unix-like operating systems and x86 hardware architecture)
- 2004 <> Cisco CCNA 1 and CCNA 2 (during 5th year of faculty)

IT Skills

- **Programming languages** : C/C++, Java, Delphi, PHP, ASP, CGI, HTML, CSS, JavaScript, VBA, DHTML (advanced Internet Explorer programming)
- **IDEs** : Delphi 3/4/5, Borland C++ Builder, Visual Studio .NET, Java SDK, Visual C++/MFC32, Win32
- **DBMS / SQL** : IBM DB2, Interbase/Firebird, MySQL, Access, Oracle
- **Operating systems** : Linux, Windows, varios Unix flavours (FreeBSD, Sun Solaris x86), Plan 9
- **Graphics skills** : Adobe Photoshop, Adobe ImageReady, Macromedia Studio MX
- **Technologies** : PKI, MS Win32, MSHTML Control, CGI, Open Source
- **Networking** : Administration of network computers (Ethernet technologies) and developing/configuring networking and network services using Linux and Windows operating systems (web servers, mail, ftp, traffic control and shapping, performance and fiability analisys, etc.)

Foreign Languages

English - Very good (spoken and written)

My Projects

1. "Buletinul Auto" (2000-2004)

Customer: SC Top Service SRL, Galati, Romania

Websites: www.bas.ro, www.buletinulauto.ro

Language: Romanian

This was my first official project. It started by developing a simple website developed in Linux + Apache + MySQL + PHP which contains an online database with search engine for browsing through automotive ads. The purpose of this website was to offer to online visitors easy and fast and flexible access to a database of about 10,000 ads.

Finally, I made a complete client-server solution for collecting the ads, using Microsoft Access as the client program and the website (Linux + Apache + MySQL + PHP) as the server system. The transportation of data between Access and MySQL is done using export and import functions through CSV files. Also I provided a RTF (Rich Text Format) generator for generating the text content used for direct import into QuarkXpress (used to edit the printed-version of the magazine).

Main website features are: users registration and custom accounts, very flexible search engine, save ads pages into bookmarks list, administration pages with full control over the users account and website content, etc.

Skills:

- Microsoft Access (expert level)
- VBA (Visual Basic Scripting for Applications, expert level)
- Microsoft ADODB (advanced level)
- MySQL (advanced level)
- PHP (advanced level)
- RTF generator (advanced level)

2. "Piata Auto" + "eAnunturi" (2003-2004)

Customer: SC Virtual Business SRL, Arad, Romania

Websites: www.piataauto.ro, www.eanunturi.ro

Language: Romanian

Based on reduced versions of www.buletinulauto.ro search engine, these two websites are very popular among their categories (automotive ads and general ads) in Romania.

Featuring very optimized MySQL databases, they run since 2003 without the need to perform any administrative database tasks. With a very small PHP code source (under 6,500 lines of code each) the structure is very flexible allowing managing of over 1,000,000 database records on a low end shared webhosting server (2 GHz processor, 512 MB RAM).

Skills:

- MySQL (advanced level)
- PHP (expert level)
- FreeBSD + Apache optimizations (expert level)

3. "Lion Axe" bid auctions (2004)

Customer: NPCompany (www.npcompany.com)

Website: www.lionaxe.co.uk

Language: English

Online bid auction website. It allows users to create personal accounts and buy credits using their Paypal account. Later, they can use those credits to bid on various auctions in their preferred categories. It features a complicated system of choosing the auction winners and advanced backend administration. Also it features a pool, a forum and ticket management for won auctions.

Skills:

- MySQL (advanced level)
- PHP (advanced level)
- Paypal IPN integration
- Macromedia Flash (medium level)
- Advanced administrative tools for managing winning bids

4. "Property Publishing UK Ltd." (2005)

Customer: NPCompany (www.npcompany.com)

Websites: www.1stforhomes.com, www.1stforvirtualtours.com, www.panoramicpics.co.uk, www.propertypublishing.co.uk

Language: English

A package of 4 websites for an real estate agency from UK.

This represents a full software solution for collecting locations information, post them online where users can browse them using the advanced search engine.

www.1stforhomes.com: this is the main website with the search engine and database backend. It allows users to create either personal accounts (which allows them to make customizable searches and receive emails with properties based on custom filters) and agent accounts (which offers the same features as a personal account and also it allows the agents to upload properties in the database). The search engine is very flexible allowing users to search by keywords like street address and number, locality, house number, etc.

www.1stforvirtualtours.com: for each property added using an agent account on www.1stforhomes.com, users can upload up to 5 virtual tours. On this website, users can browse through the properties having a virtual tour attached. The software needed on the client machine for viewing virtual tours (0-360 degree panoramic views) is done in Java, so any Java-ready browser can view them.

www.panoramicpics.co.uk: complementary website where real estate agencies can buy additional hardware and software equipment to produce their own virtual tours (panoramic views). It features an online order form and a tool for posting online their newly created virtual tours.

www.propertypublishing.co.uk: their company presentation website.

Skills:

- MySQL (advanced level)
- PHP (advanced level)
- Macromedia Flash (medium level)
- 0-360 degree panoramic views (virtual tours)

5. "CarsSell.com" (2005)

Customer: NPCompany (www.npcompany.com)

Websites: not released for public access

Language: English

Similar search engine like www.buletinulauto.ro plus advanced distance calculator (based on the US ZIP codes and geographical coordinates).

It features user accounts (with registration, password recovery, account management) and advanced administration features.

Skills:

- MySQL (advanced level)
- PHP (advanced level)
- Advanced US postal ZIP-distance calculator

6. "Atelier-7" (2003-2005)

Customer: Atelier-7 Services (www.atelier-7.de)

Websites: ask www.atelier-7.de for demo versions of their software

Language: English

I have developed the following software for Atelier-7 during our collaboration (chronological order): A7TOPMenu2, A7FOLIOMgr2, A7UPData2, A7LINKXmgr, A7openCHAT, A7IMPORTsuite.

A7TOPMenu2: is a webbased tool (PHP + MySQL) for creating dynamic menus as a base start-point for a new website. It features dynamic logo, menu management with banner-ad, newsticker, multi-language. It is the professional menu generator for your website or portal, so you can manage the menu anytime from your browser.

A7FOLIOMgr2: state of the art image-text-object-portal for the professional, who wants to present projects, objects, pictures, texts, documentations - with database-support - and wants to equip the upload with different rights in his team or the hierarchy of the company, give graded rights to the visitor and his customers. It is based on the PHProjekt, one of the most popular opensource webbased groupware management software. A7FOLIOMgr2 also features optional book-keeping functions, allow support for integrating optional A7TOOLS, and more. For photographers, scouts, real-estate agencies, providers of picture services offering data in many different categories to their customers, as for scientists, brokers, lawyers, etc. Coming with a multilevel dynamic searchengine for the objects, matrixes, optional with integrated basket-functions, session-support in 9 (or more) pricelevels and other features for the integration into your portal, homepage or intranet-operations.

A7UPData2: an image and faximile upload engine for the professional, who wants to provide or present images or documents, objects or panos, albums, photodocumentations, galleries, etc. for his customers from the PC originating from the A7Focus2 engine to the A7Matrix-SERVER, en bloc or in single steps. Main functions are: create objects, update objects, upload images, delete objects, remote change positions for the A7MATRIX, manage the hierarchy of object access without using the back-end. This project was undertaken from another developer as an older version and modified and upgraded to work with the A7FOLIOMgr2 and implement it's features.

A7LINKXmgr: manages all favorites, links, bookmarks from all browsers into a database, allows import and export from browser to database and viceversa, manages mergers of selected parts of bookmark-trees. All these functions can be changed via the webbrowser.

A7openCHAT: super-light webbased chat. It offers the following features: nicknames, buzz, delete entries, settings, etc. Very easy to install, works on every LAMP/WAMP machine.

A7IMPORTsuite: is a back-end tool for administrators to migrate data from tables to other tables, tailored for the use with PHProjekt and A7FOLIOMgr2. Features: general settings, select destination table, set variables, set priorities, select fields, remote dump, transfer obj-info and blobs from A7FOLIOMgr, sessions-memory and other tools.

Skills:

- MySQL (expert level)
- PHP (expert level)
- C++ (object oriented, database driven, Borland C++ Builder project, expert level)
- Linux and Apache webserver management (expert level)
- Paypal IPN integration
- PHProjekt integration (www.phprojekt.com)
- 0-360 degree panoramic views (virtual tours)

7. UTI "certSAFE", "emailerSAFE" (2004-2006)

Customer: UTI Systems S.A., Romania (www.uti.ro)

Project type: full-time (employee)

Language: English/Romanian

UTI Systems SA is a leading security company in Romania, providing both hardware and software solutions and services for a wide area of activities.

certSAFE is the core application of the PKI package of software developed by UTI. It contains a set of applications, daemons and webmodules for Apache webserver running on the Linux operating system. It uses both Interbase/Firebird and IBM DB2 database servers as the backend, RSA-BASE libraries for core cryptographic operations and Borland Kylix 3 Enterprise for C++ development.

My contribution to this projects includes:

- core C++ object-oriented development (Apache webserver modules)
- database development
- daemon applications (certSAFE agents)
- CVS management

Skills:

- C/C++ object-oriented (Kylix 3 Enterprise, expert level)
- Linux programming (system-specific features, expert level)
- IBM DB2 database development (advanced level)
- Oracle 10g database development (advanced level)
- Interbase/Firebird database development (advanced level)
- RSA B-SAFE development (advanced level)
- PKI-compliant software development