

Andrey Zakharov

Cover letter

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Education

2003–2009 **Master's Degree in Computer Science**, *Volgograd State Technical University*, Volgograd, GPA of 3,6 on a 4.0 scale.

Automated systems for information processing and management

Master thesis

title *Web search engine fellow travellers*

supervisors A.A.Kizim

description Thesis introduce requirements specification to the system "fellow traveller": common information about automatized websystem and time constraints of developement, system creation goals and criterions of efficiency, search process of fellow traveller, requirements to functional part of system and to its ergonomics. Thesis consist of requirements specification to the system, preliminary design, system prototype, user and administration manual

Experience

Vocational

- Jul 2008–present **Software Engineer**, *Sperasoft Inc.*, Volgograd branch, International outsourcing company.
Development and maintenance of a distributed system of data collection and analysis of metrics from other active systems.
Key technologies and languages: C++, Boost, CppUnit, gSOAP, libxml, OpenSSL, GCC, bash, Java EE, JSP, RichFaces, MySQL, Tomcat.
- Aug 2007–
Jul 2008 **Freelancer**, Volgograd.
Development and implementation of web-projects (<http://vaultsoft.ru/portfolio>).
Key technologies and languages: Drupal, Joomla, DataLife Engine, Wordpress, HTML, JavaScript, PHP, MySQL, Apache, MSSQL, IIS, SSH.
- May 2006–
Aug 2007 **Software Engineer**, *"InfoPlus"*, Volgograd.
Development of the accounting system of orders and sales, support multiple sales sites, the development of web shops (<http://vaultsoft.ru/portfolio/sverka>). Server administration organization. Promotion and optimization of the organization's website (<http://vaultsoft.ru/portfolio/decanat.com>).
Key technologies and languages: HTML, JavaScript, PHP, MySQL, Apache, SSH, XML.
- Feb 2006–
Apr 2006 **Lead Programmer**, *"Creative Volga"*, Volgograd, web-studio.
Development web-site <http://vaultsoft.ru/portfolio/creative-volga>.
Key technologies and languages: HTML, JavaScript, PHP, MySQL, Apache, Xaraya
- Nov 2005–
Dec 2005 **Programmer**, *"Clickon"*, Volgograd, web-studio.
Participate in the development team <http://volgograd.ru>. Implementing ssl authentication.
Key technologies and languages: Apache, Parser, JavaScript, XML, XSLT
- Aug 2003–
Nov 2005 **Software Engineer cat. III**, *OAo "Volgograd State Tractor Plant"*, Volgograd, Bureau of testing and analysis of future development of computing systems.
Development of administrative software for the company email service. Administration and refinement of instant messaging <http://vaultsoft.ru/portfolio/ichatsrvd>. Work on the internal web resources (<http://vaultsoft.ru/portfolio/visitlog>, <http://vaultsoft.ru/portfolio/easynpengine>).
Key technologies and languages: C, C++, C#, PHP, HTML, JavaScript, MS Outlook VBA, MySQL, bash, SSH.

Jun 2004– **Programmer**, "Clickon", Volgograd, web-studio.
Jul 2004 Design and implementation of basic CMS "Clickon".

Miscellaneous

Jun 2001– **Administrator of gaming club**, Volgograd.
Oct 2001 Support and maintenance of small network

Languages

Russian **Native**
English **Intermediate**

Technical – fine

Computer skills

Tools

OS	MS Windows, Linux (Debian), FreeBSD, MSDOS, Apple DOS 3.3
DBMS	MS Access, MySQL, SQLite, Interbase, MS SQL
Related Software	MS Office, MS Visio, Skype, SSH, Bash, Kile
Development software	MS Visual Studio, Netbeans IDE, Eclipse IDE, code reviewer, JIRA, GDB, Borland Delphi
SCM	CVS, SVN, Perforce, git

Programming languages

C/C++	STL, GCC, Boost, wxWidgets, Qt, Win32 API, GDI, WinSock, libxml, MySQL++, gSOAP, CppUnit
C#	.NET 2.0, WinForms
Visual Basic	
PHP	Drupal, Joomla, WordPress, DataLife Engine, Xaraya
JavaScript	DOM, AJAX, JQuery, ExtJS
SQL	MySQL, SQLite, T-SQL
VBA	MS Word, MS Excel, MS Access, MS Outlook
Markup	XHTML, CSS, XML, XSL
GNU	BASH, SSH, sed, awk, L ^A T _E X 2 _ε
Scripting	BASH, Python, Groovy
Exotic	Architecture and assembler MOStech 6502 (Apple II, etc.)

Practical

- Development system software for *NIX systems
- Development sites (News portals, Internet shops, corporate portals)
- Administration *NIX systems (Apache, Mysql, security, SSH)
- Development terms of reference
- Preparation of technical design
- Development of web-based application, protection
- Migrating static sites to automated management systems (CMS)
- SEO (Search Engine Optimization)
- Development of database applications
- Development of application systems (Windows, Linux)
- Development of automated systems
- Optimizing application code

- Optimization of SQL queries
- The introduction of applications and automated systems
- Administration *NIX systems, optimization

Author programs and scripts

Winamp Statistician	(VC++) Plugin for Winamp collected statistics about played tracks and then shows top list.
VaultSoft EasyNP Engine	(PHP, MySQL) Control System news, polls, banners and counters on the site on the templates and database.
RemoteProcMon	(C#) server-client application, monitor the state of *NIX systems.
Admin traffer	(C#) Counts squid-traffic.
VSMessenger	(VC++) instant messaging client based on intranet chat.
wxChatAdmin	(VC++, C#) remote administration tool for instant messaging server.

Publications

Andrey Zakharov. Writing your chat in php. <http://vaultsoft.ru/phpchat.html>, 2003.

Andrey Zakharov. Secure web-site. <http://vaultsoft.ru/txt.rus/safe-web-site.html>, 2008.

Andrey Zakharov. Optimizing web server. <http://vaultsoft.ru/speed-web-site.html>, 2008.

Andrey Zakharov. How to make a site. <http://vaultsoft.ru/make-site.html>, 2008.

Portfolio

Most complete portfolio <http://vaultsoft.ru/portfolio>