Andrey Zakharov

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Russia, Saint Petersburg
📞 *+79-OK-0-sail-up*
✉ *andrey.al.zakharov@gmail.com*
20+ years of software engineering

Objective

Partnership

Strengths

- Exceptional communication and collaboration skills.
- Outstanding technical skills.
- Able to apply and improve any kind of software development processes.
- Familiar with modern high-load solutions.
- Expert in working with various operating systems.
- Professional Internet based software development experience using various Internet technologies.
- Highly skilled in customer service.

Skills

Practical

- System architecture
- Product management
- Formulating functional and technical requirements
- Development system software for *NIX systems
- Development of database applications
- Development of application systems (Windows/*NIX)
- Development of automated systems
- Optimizing application code
- Optimization of SQL queries
- Administration *NIX systems (Apache, MySQL, security, SSH)
- Tuning *NIX systems for optimal performance
- Website Development (News portals, Internet shops, corporate portals)
- Development of web-based applications
- Migrating static sites to automated management systems (CMS)
- Website security
- SEO (Search Engine Optimization)

Tools

Technologies	.NET, J2EE, EJB, COM/DCOM/COM+, OLE/ActiveX, AJAX
OS	MS Windows, Linux (Debian), QNX, FreeBSD, MSDOS, Apple DOS 3.3
DBMS	MySQL, PostgreSQL, MS SQL, SQLite, MS Access, Oracle
Related Software	MS Office, MS Visio, MS Project, SSH, Bash, Kile, soapUI
Development	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, OpenSSL

JavaScript	Dart, Polymer, DOM, AJAX, JQuery, ExtJS
Java	Kotlin, JSF, RichFaces
C#	.NET 2.0, WinForms
SQL	MySQL, SQLite, T-SQL
Visual Basic	VBA, MS Word, MS Excel, MS Access, MS Outlook
Markup	HTML5, XHTML, CSS3, XML, XSL
Scripting	BASH, Perl, Lua, Python, Groovy, sed, awk, $\text{\LaTeX}\,2_\varepsilon$
PHP	Drupal, Joomla, WordPress, DataLife Engine, Xaraya
Exotic	Architecture and assembler MOStech 6502 (Apple II, etc.)

Links

Profiles

LinkedIn	http://www.linkedin.com/pub/andrey-zakharov/21/99a/56a
Bitbucket	https://bitbucket.org/andrey_zakharov_
GitHub	https://github.com/andrey-zakharov
Brainbench	http://www.brainbench.com/transcript.jsp?pid=8883643
Drupal.org	http://drupal.org/user/222552

Experience

Dec 2019 — Now

Team Lead, *Buidl.ru*, Saint Petersburg, High-frequency exchange with cryptocurrencies support /prizm-bit.com/. .

Support of the existing exchange service application. Ongoing development, improvement, refactoring and delivery of product to customers. Leading the team to develop innovative product for high-frequency trading services (exchange). Built up team development processes from scratch, including CI. Hiring, leading and mentoring the team.

- As the team lead, built the application from early prototype to production. Reduced overall response time up to 3 times. Driven adoption of new technologies in the team.

May 2015 — Now

Team Lead, *BAS Services & Graphics, LLC.*, Saint Petersburg, BASSG is an intelligent building solutions company with more than 15 years of experience with more than 200+ clients. .

Lead a small team to develop innovative product for building automation services (IoT). Built the application from early prototype to a market product. Completely built up team development processes including CI. Hiring, reviewing code and mentoring the team.

- build with team ready to market leading-edge product

July 2017 — August 2018

Team Lead, *Wargaming.net*, Saint Petersburg, An award-winning online game developer and publisher. One of the leaders in the free-to-play MMO market, the company delivers authentic gaming experiences and services across PC, console and mobile platforms. .

Server and game logic programming, as well as in client-server interaction, working with databases, and passionately driving integration of the new technologies into the pipeline.

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Jan 2014 — Jun 2015

Senior Software Engineer, *Oracle*, Saint Petersburg, Oracle Corporation is a U.S. based multinational computer technology corporation headquartered in Redwood City, California, United States. The company specializes in developing and marketing computer hardware systems and enterprise software products – particularly its own brands of database management systems. Oracle is the second-largest software maker by revenue, after Microsoft. .

As a member of the software engineering division (VM team, GC specialization), I assist in defining and developing software for tasks associated with the developing, debugging or designing of software applications or operating systems. Provide technical leadership to other software developers. Specify, design and implement modest changes to existing software architecture to meet changing requirements.

- analyze test results, automate processes and write code to test JVM code.
- writing robust, reliable, repeatable and maintainable tests that find issues early and cover the area of components.
- build frameworks and tools used for testing JVM.

Sep 2013 — Dec 2013

Lead Software Engineer, *Tensor*, Saint Petersburg, Large holding, developing software to automate the management of the company, tax accounting and reporting..

Porting large scale application back-end to Linux. Developing internationalization support in back-end. Testing and supporting back-end applications.

Mar 2012 — May 2013	**Lead Software Engineer**, *Embria*, Saint Petersburg, Internet companies group. Working on high-load backend solutions (C++, FreeBSD) for social networking service, developing replication subsystem between highloaded servers. Developing and supporting set of internal tools for testing, building and supporting entire project. Investigated standard PHP modules for performance issues and developed optimized solutions. Recruit and supervise software engineers. Coaching colleagues about efficient use of a number of IT tecnologies. ○ Improved building process for entire project (cmake) ○ Developed replica library for embed into different servers ○ Introduce continious integration process for entire project
Sep 2010 — Mar 2012	**Senior Software Engineer**, *Sperasoft Inc.*, Saint Petersburg, International outsourcing company. Customer: BioWare Working on high-load game site (Drupal, Apache Solr), integration with 3rd party search engine, developing game data import flow from various data sources. Developing and supporting set of internal tools for testing, inviting, monitoring, etc. Consulting, prototyping and developing corporal internet sites. Plan, control and evaluate the operations of information systems. Recruit and supervise software engineers. ○ Actively participated in SWTOR game launch ○ Optimized UI responsibility of servers monitoring internal system ○ Finalized and introduced integration modules of high-load site data with Apache Solr search engine
May 2010 — Sep 2010	**Senior Software Engineer**, *Sperasoft Inc.*, Volgograd branch, International outsourcing company. Automate, optimize and promote corporate sites. Plan, control and evaluate the operations of information systems. Recruit and supervise computer engineers and programmers. ○ Convert static corporate site into dynamic full-featured extensible site on CMS Drupal
Jul 2008 — May 2010	**Senior Software Engineer**, *Sperasoft Inc.*, Volgograd branch, International outsourcing company. Customer: Sony Online Entertaiment Worked as member of a team developing and maintaining: distributed high-load system of data collection and metric controls of company systems. Develop and implement policies and procedures for electronic data processing and computer systems operations and development. Meet with clients to discuss system requirements, specifications, costs and time lines. ○ Improved speed of SOAP data exchange between web application and server ○ Implemented fault tolerance subsystem ○ Optimized project building under Linux ○ Develop deployment, configuration and handling script (bash) of software instances
Aug 2007 — Jul 2008	**Freelancer**, Volgograd. Meet with clients to discuss system requirements, specifications, costs and time lines. Development, implementation, optimization and modernization of web-projects. Implementation of custom modules and themes for Drupal (node files local task tab). Implementing sites based on Drupal modules: Content Construction Kit, Views, Pathauto, Nodewords, Taxonomy breadcrumb, MultiLink, Location, GClassified Ads, Video Filter, Custom Pagers, Image, Boost, Locale, Profile, Actions, IMCE, Workflow, Ubercart, Slideshow, TinyMCE and so on. Customizing and code tweaking: Image, Taxonomy menu, Drush, Imagefield Crop. Development and implementation of web-projects (`http://vaultsoft.ru/portfolio`).
May 2006 — Aug 2007	**Software Engineer**, *OOO "Greentek"*, Volgograd. Development of the accounting system of orders and sales, support multiple sales sites (decanat.com), the development of web shops (sverka). Control the budgets and expenditures of the projects. Develop and implement policies and procedures for electronic data processing and computer systems operations and development. ○ Implemented web system to workflow orders and sales of company ○ Implemented distributed system of company internet shops
Feb 2006 — Apr 2006	**Lead Programmer**, *"Creative Volga"*, Volgograd, web-studio. Meet with clients to discuss sites requirements, specifications, costs and timelines. Control the budget and expenditures of the projects. Planned, created, launched, and managed web-site http://vaultsoft.ru/portfolio/creative-volga .
Aug 2003 — Nov 2005	**Software Engineer**, *OAO "Volgograd State Tractor Plant"*, Volgograd, Computing systems lab. Implemented major improvements in automation of administrative and operational procedures for the company email service. Administration and refinement of instant messaging ichatsrvd . Wrote set of scripts for internal web resources (Visitlog , EasyNPengine). ○ Implemented system to automate paper work of department ○ Improved and applied a system of instant messaging in the enterprise

Languages

Russian	Mother tongue	
English	Spoken and written	*Technical — fine*

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 |

Programs and scripts

- Yet another WebGL small demo: Mandelbrot&Julia-on-shaders
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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.
VSMessager	(VC++) instant messaging client based on intranet chat.
wxChatAdmin	(VC++, C#) remote administration tool for instant messaging server.

Publications

How to instant fast quick analyze core dump files. http://vaultsoft.ru/en/instant-fast-quick-analyze-core-files, 2009

How to make a site. http://vaultsoft.ru/make-site.html, 2008

Optimizing web server. http://vaultsoft.ru/speed-web-site.html, 2008

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

Writing your chat on PHP. http://vaultsoft.ru/phpchat.html, 2003