

Eugene Janusov

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SUMMARY OF QUALIFICATIONS

- Over eleven years of web development experience. Roles and responsibilities include: requirements definition, system and integration design, development, data conversion, and upgrades;
- Well-versed in Object-Oriented Development; knowledge of Patterns of Object-Oriented Design;
- Conversant with XML-based technologies like XSLT and XPath;
- Expertise in using modern web-standards. CSS-based layout with cross-browser compatibility, semantic mark-up, W3C accessibility, microformats and on-screen typography. Strong skills in JavaScript development;
- Experience in converting monolithic applications into reusable SOA components;
- Over ten years of UNIX experience. Seven years of system and network administration experience on a variety of platforms providing a multitude of services and general security. Some experience in Gentoo Linux development.

TECHNICAL SKILLS

Programming languages: [Java](#), [PHP](#), [Python](#), [JavaScript](#), [SQL](#), [Scala](#);

Technologies: [OOP](#), [OOD](#), [MVC](#), [ORM](#), [HTML5](#), [CSS3](#), [SASS](#), [AJAX](#), [JSON](#), [XML](#), [XSD](#), [XPath](#), [XSLT](#), [DOM](#), [SAX](#), [XML-RPC](#), [AIR](#);

Java-related: [JEE](#), [Servlets](#), [JSP](#), [JSF](#), [EJB](#), [JDBC](#), [JPA](#), [Hibernate](#), [Spring](#), [Commons](#), [XOM](#), [JMS](#), [UMS](#), [JReport](#), [Smack](#);

Application servers: [Jetty](#), [Tomcat](#), [jBoss](#);

PHP-related: [PEAR/PECL](#), [Zend Framework](#), [Symfony](#), [Doctrine](#), [ADODB](#), [Creole](#), [PDO](#), [Propel](#), [Smarty](#), [Swift Mailer](#), [PHPUnit](#), [XDebug](#);

JavaScript-related: [jQuery](#), [jQuery UI](#), [Dojo Toolkit](#), [Prototype](#), [script.aculo.us](#), [Ext JS](#), [Highcharts](#), [Moment.js](#), [Xinha](#), [Firebug](#), [QUnit](#);

Software: [Apache HTTPD](#), [nginx](#), [ProFTPd](#), [Postfix](#), [Courier-IMAP](#), [SquirrelMail](#), [TR-IRCD](#), [InspIRCd](#), [IRC Services](#), [Openfire](#), [memcached](#), [Sphinx](#), [phpMyAdmin](#), [AWStats](#);

RDBMS: [MySQL](#), [SQLite](#), [PostgreSQL](#);

Tools: [Unix shell](#), [SVN](#), [Git](#), [Mercurial](#), [Trac](#), [JIRA](#), [Ant](#), [Ivy](#),
[Maven](#), [Gradle](#), [Roo](#), [Eclipse](#), [Capistrano](#);
Platforms: [Linux](#) (RHEL/Fedora/CentOS, Debian/Ubuntu, Gentoo).

EXPERIENCE

Lead Application Developer, Technical Lead **[Solution4 Software \(http://www.solution4.net.au/\)](http://www.solution4.net.au/), Sydney**

April 2010 — Present time

The main product of the company is [Senro CRM \(http://www.solution4.net.au/products/senro/\)](http://www.solution4.net.au/products/senro/) — a *software-as-a-service* for financial advisers and mortgage brokers. Solution4 also develops and offers subscription to [Vision \(http://www.solution4.net.au/products/vision/\)](http://www.solution4.net.au/products/vision/) service, a real-time financial data feeds with flexible product searches and filtering.

I'm responsible for the design of core components of Senro, and supervise the Senro development team.

My main responsibilities and accomplishments are:

- Designed and implemented several new business components (using Zend for front-end and Spring/Hibernate for back-end);
- Reviewed design, and supervised development and integration of the majority of new business components;
- Started and supervised re-implementation of legacy components;
- Refactored the majority of model classes for better object-oriented design: to decrease coupling, remove improper relations, deprecate duplicated code, and simplify reusability;
- Eliminated dependencies on outdated versions of third-party libraries (including but not limited to Commons, Lucene, Zend, and jQuery);
- Removed all third-party libraries from the main codebase and reorganized Senro structure into several dedicated repositories;
- Significantly refactored of almost the entire JavaScript codebase of the system, abolishing most of the duplicated code;
- Developed several JavaScript controllers for web-forms and promoted this approach to the development team;
- Prepared base infrastructure for data-based unit tests. Promoted unit testing to the development team;
- Reworked several key parts of the system, including security module to improve performance when dealing with millions of records;
- Developed new and improved existed tools for common tasks;
- Started migration of the front-end part of the system from Zend to Symfony 2/Doctrine 2;
- Coached developers in OOP/OOD, ORM, MVC, DVCS best practices;
- Advised the offline client team regarding data transmit and communication over XML-RPC/SOAP between Vision service (Java) and desktop application (C#).

Lead Application Developer Wireless Broadband Australia, Sydney

August 2009 — March 2010

WBA is a major Australian wireless broadband telecommunication company that is represented by [Unwired \(http://unwired.com.au/\)](http://unwired.com.au/) and [Vividwireless \(http://vividwireless.com.au/\)](http://vividwireless.com.au/) brands.

I was primarily focused on the design and development of the new backend systems for Vividwireless project.

My main responsibilities and accomplishments were:

- Analysed and refined the domain object model and database schema;
- Introduced Doctrine and Symfony frameworks to the development team;
- Provided consistency between Doctrine's and Hibernate's domain models;
- Interacted with both Java and PHP teams and advised integration of Spring/Hibernate-based back-end and Symfony/Doctrine/Drupal-based front-ends;
- Designed POJOs and POPOs to transmit data over SOAP between Java back-end and PHP front-end;
- Reviewed development on several key systems, proposed and implemented a multitude of interoperability improvements;
- Designed and implemented a framework and its modules for Customer Service's back-office;
- Coached developers in OOP/OOD, ORM, UMS, and MVC best practices;
- Provided suggestions for further system development and enhancement.

Senior Web Application Developer

[Click2it Digital Marketing Agency \(http://click2it.com.au/\)](http://click2it.com.au/), Sydney, Australia

February 2009 — May 2009

[SumoSalad \(http://sumosalad.com/\)](http://sumosalad.com/) — The second, completely reworked, version of the health fast food restaurant franchise website.

Description: To replace the old static website, create a new one with complete information on restaurant menu and locations, as well as publications and forms stored in the database, and with dynamic calculation of nutritional information based on recipe data.

Role: Performed data analysis, designed database schema, implemented server-side software, provided guidance for further project support.

Software: LAMP, symfony/Doctrine, Zend Framework, Google APIs.

Senior Software Engineer Navigator Publishing, Moscow, Russia

June 2002 — November 2008

Software architect, lead developer and system administrator of a computer and video gaming website that provides news, articles, gallery, downloads and encyclopaedia, as well as forums, chat rooms, VoIP, game servers and other community-related services.

My main responsibilities and accomplishments were:

- Reviewed available content, researched competing sites, gathered requirements and prepared proposals for further project development;
- Designed and developed completely new content management and publishing system taking into account special needs. In particular, designed database schemes, developed ORM framework, XSLT-based template system and MVC architecture;
- Implemented an entirely new version of website using a developed CMS;
- Designed CSS-based semantic layout and hand-coded XSL/XHTML templates;
- Produced JavaScript for form validation and other types of dynamic interaction with user;
- Performed gradual transition from preceding website;
- Set up and maintained the mail system including SMTP and POP/IMAP services, spam and virus filtering, [webmail \(http://mail.gamenavigator.ru/\)](http://mail.gamenavigator.ru/) and user database integration;
- Arranged and supported web hosting services for private gaming projects;
- Set up and maintained chat system including IRC server with services and bots, XMPP server with transports, web-based client and user database integration. Begun work on AIR-based desktop client;
- Installed, configured and supported [forums \(http://forums.gamenavigator.ru/\)](http://forums.gamenavigator.ru/), [wiki \(http://wiki.gamenavigator.ru/\)](http://wiki.gamenavigator.ru/), VoIP and several game servers;
- Coordinated the development of interaction between third-party desktop applications and website's API;
- Mentored junior programmers and promoted usage of best practices;
- Designed and developed an online store that is integrated with main website;
- Designed and implemented next major revision of the [website \(http://gamenavigator.ru/\)](http://gamenavigator.ru/);
- Conceived and implemented administrative tools to automate system maintenance, monitoring services and backup (utilising Perl, Python and UNIX toolbox);
- Researched and implemented ways of performance improvements (including service dedicated servers, low-level operating system tuning, disk usage

optimisations, database configuration, web server lightweight front-ends and application back-ends, in-memory caching and client-side caching);

- Created and maintained general documentation regarding server management and system administration, service configuration and integration, base conceptions behind developed applications and used technologies, established coding standards, guidance for localisation, modernisation possibilities, etc.;
- Provided system administration tasks, ongoing development and support for created web system;
- Begun work on the migration of the entire system to Spring framework;
- Begun work on AIR-based desktop application that should retrieve content from the website via internet;
- Begun work on Facebook application for auto-publishing picked games and articles on customers profile pages.

Web Developer

DEFA gruppe, Moscow, Russia

August 2006 — March 2007

Software architect and web developer at [Defa Gruppe \(http://defa.ru/\)](http://defa.ru/), the third largest web studio in Russia.

My main responsibilities and accomplishments were:

- Performed software design and development;
- Evangelising and adoption of leading web technologies and development tools;
- Standardisation and documentation of development process;
- Supervised outsourcing developers and promoted usage of best practices;
- Gathered requirements, co-designed and co-supported custom build of new third-party CMS. Prepared the technical infrastructure for hosting the CMS.

Worked on the following projects:

Brahma — Russian website for famous beer brand.

Role: Designed database schema, begun development of server-side software and hand-coding of XHTML/CSS templates.

Software: PHP, Smarty, Bitrix.

[UHuhu \(http://uhuhu.ru/\)](http://uhuhu.ru/) — Service for automatic registration in web directories.

Role: Designed and developed client-side software.

Software: HTML, CSS, JavaScript, jQuery.

[Dexter \(http://dexter.aero/\)](http://dexter.aero/) — Award winning “interactive movie” informational website for the first Russian air taxi network.

Role: Designed database schema, developed server-side

software that interacts with reach Adobe Flash front-end.

Software: PHP, MySQL, Deformer, JavaScript, ActionScript.

[Arsenal Miniature \(http://miniaturearsenal.ru/en/\)](http://miniaturearsenal.ru/en/) — Website for company that masters, produces and sells miniature working models of historic weapons.

Role: Co-developed server-side and client-side software.

[Simple \(http://simple.ru/\)](http://simple.ru/) — Corporate website for largest Russian wine products and services company.

Role: Co-developed server-side software.

[United People Community \(http://upeco.ru/en/\)](http://upeco.ru/en/) — Corporate website for trading company.

Role: Co-developed server-side software. Performed system administration tasks.

[Tinkoff Procycling \(http://tinkoff.it/\)](http://tinkoff.it/) — Website for Italian professional cycling team.

Role: Improved existed CMS for full multilingual support. Integrated third-party forum system into website.

[Mancala \(http://mancala.ru/\)](http://mancala.ru/) — Promotional website for African board game.

Role: Hand-coded XHTML/CSS templates.

Software: HTML, CSS.

[Vh-1 Russia \(http://vh1.ru/\)](http://vh1.ru/) — Website for Russian version of the famous music television channel, which is part of the MTV Networks.

Role: Designed database schema, co-developed server-side software for website and data synchronisation with external MS SQL Server. Hand-coded XHTML/CSS templates.

Software: PHP, MySQL, Deformer, .NET/C#, SQL Server, HTML, CSS, JavaScript, ActionScript.

Deformer 2.0 — Object-relational mapper and web application framework.

Role: Co-developer. Gathered requirements, designed architecture modernisation, improved functionality.

Software: PHP, PEAR/PECL, Smarty, MySQL/PostgreSQL, [mnoGoSearch \(http://mnogosearch.org/\)](http://mnogosearch.org/), [FCKeditor \(http://fckeditor.net/\)](http://fckeditor.net/).

Front-End Web Developer, IT-manager

A. V. Shubnikov Institute of Crystallography RAS, Moscow, Russia

October 1999 — August 2006

My main responsibilities and accomplishments were:

- Gathered requirements, prepared structure mocks and hand-coded first generation of [Institute's website \(http://www.crys.ras.ru/\)](http://www.crys.ras.ru/);
- Organised and supported the division's IT-infrastructure;
- Designed and developed database of science samples and GUI for searching, filtering and sorting using MS Access;
- Made an utility for converting data from MS Excel including VB-scripts for pre-export processing;
- Annually marked up several tens of posters, booklets, books and boards for the institute's events and conferences.

EDUCATION

An year of Applied Mathematics and three years of Mathematics and Management, [Moscow State Institute of Electronics and Mathematics](#) (Technical University), MIEM, Russia, 2004.