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Ruby and JavaScript developer

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Major Skills

Programming Languages

Ruby

My favorite language for a long time. I used it as a scripting language, wrote 2d games, console utilities, scientific calculations and surely web-sites in it. I follow the development of jRuby — an interpreter of Ruby on Java Virtual Machine — with great interest.

Usage of Ruby in different fields of software development allows me to consider my knowledge of language to be **advanced**.

JavaScript / CoffeeScript

I got acquainted with JavaScript in 2003 in the field of web-development. I like JS for it unique prevalence in the world and I follow the news of language realizations with great pleasure. I appreciate the usage of ECMAScript 5 features and I am looking forward to ECMAScript 6 being accepted as a new standard.

Taking into consideration my long acquaintance with the language I consider myself an **advanced** JS developer.

C / C# / Java

I used to develop in these languages until 2010. At the present time I rarely write in one of them, even mainly read the source code. Unlike other languages, described in this section, I don't constantly follow the development of these languages.

I might have forgotten some things, but still consider my knowledge to be **strong** in any of them.

Erlang

It's the only language in this section, that I haven't used in production. However I like the ideas of the language and OTP approaches. I am looking forward to possibility to use Erlang in real projects.

Technologies

Server-side frameworks:	Ruby on Rails, Sinatra, Cowboy
Test tools:	RSpec, Cucumber/Capybara, Jasmine
Client-side:	HTML/HAML, CSS/SASS, VanillaJS, jQuery, Backbone/AngularJS
CVS:	Git, SVN
RDBMS:	MySQL, PostgreSQL
NoSQL:	Redis, MongoDB
Other:	RIA web applications
	OOP and patterns, REST/SOA
	Functional programming
	*nix administration, Capistrano, Chef
	Site optimizations (page load speed, adaptation for mobile devices)
	A/B tests, Google Analytics

Major Projects

Altoros Development (Belarus) / ShoeDazzle (US)
6/2011 → 10/2012 and 12/2012 → present

ShoeDazzle - probably one of the most interesting projects, in which I took part, especially in terms of technologies. There often was a possibility to use the whole spectrum of technologies from **JavaScript** and **jQuery** to Stored Procedures and **Rack Middleware** in one task.

One of sub projects I dealt with was transition from side rating and review service to our own. Among my responsibilities was development of automated interface of modeling reviews and provision of **REST API** for working with some functions of rating products.

A lot of my efforts were directed to code refactoring in order to simplify the supporting of the code and adding new features. Besides, I was involved in creation of new admin panel, in change of paradigm of working with client-side code, in project transfer from CSS to Sass, in deep refactoring of complex process of checkout, in change in mobile authentication process, in change in routing mechanism. Also I took part in design and development of projects, that were not announces by ShoeDazzle.

An interesting challenge was the transfer of the whole code base from Rails 2.3.x to Rails 3.x. For example, in order to simplify the migration was made a decision to make a backport of possibilities of newer version of devise to the older one.

Taucraft (Belarus)
10/2012 → 12/2012

My fellows from Taucraft offered me to slightly change my specialization and work as pure front-end developer. It was a hard decision, but at the end I made up my mind to try and got involved in development of GUI layer in JavaScript for targetprocess 3 — project management software system - maybe the most powerful existing.

Unfortunately, during my work with the company I understood that I would like to return to Ruby and made a hard decision to leave Taucraft. However I gained unique experience of working with complex GUI, built on JS and. I still try to catch every news about this great product.

Web-developers from Taucraft designed a complex system of message exchange and asynchronous test framework for GUI based on it. These ideas have no analogs in internet at the present moment.

Altoros Development (Belarus) / Monterosa (UK)
9/2010 → 6/2011

Working in a huge international team I participated in development of admin interface on **Ruby on Rails** for Monterosa.uk projects. Among my tasks were role-management system, creating widgets in **JavaScript** for web-broadcasts and integration with **Facebook API**. Also I was responsible for writing a lot of tests using **Cucumber**.

About 80 servers were used by Monterosa for streaming video with widgets in peak moments.

Altoros Development (Belarus)
5/2010 → 9/2010

Developed the web-service, which using various filters and map location gave the possibility to set the target audience for promotional mailing. Client could upload template of an advertising and all printing and distributional services were handled by the application.

I was engaged in devising the service on **Ruby on Rails**, mainly refactoring the order process. With **jQuery** and **Google Maps API** created GUI for choosing the place on map with several clicks. Using **Chef** automated the project deployment process to **EngineYard** servers, even though they didn't support **PostgreSQL** at that time.

Optimized the work with coordinates for requests in **PostgreSQL**. The project was closed due to lack of financing.

While searching for an audience on the map, even the curvature of the planet was taken into consideration.

Even though I was able to configure the servers in a couple of days, I got the response from EngineYard about support of PostgreSQL only in half a year.

Egar (Russia)
8/2009 → 10/2009

Using **Java 1.6** and Fuse ESB developed module for payment transactions between Sberbank and Moscow Interbank Currency Exchange. Took part in making decisions on architectural structure of components and in discussion of specifications for message exchange between trading systems.

The main requirement for the module on one server was the ability to parse minimum 30 messages in a second. Every message has a size of about a 1MB.

Egar (Russia)
5/2009 → 8/2009

Working as a senior Java developer, optimized **SOAP web-services** (written in **Java** with the components of **Spring**) for quick search for tickets and booking them.

I made it possible to minimize time for response to a request by introducing several levels of caching. Unfortunately, the project was closed due to lack of financing.

Some systems while searching for tickets on +/- 3 days require to send up to 20 requests instead of one.

Egar (Russia)
9/2008 → 4/2009

Handled automation of business processes in banking system. The scheme was based on the group of servers, which were used for system maintenance, written in **Java 1.5** with the use of **Spring** and **Hibernate** technologies with embedded **Groovy** scenarios.

Clients all over Russia connected to servers, protected through channels, and worked with client side, written in JavaScript with the use of Ajax, Prototype.js and ExtJs. I took an active part in development of server and client sides, wrote some development utilities, including firebug analog for ie6, finished custom class-loader for JVM for correct work with generics.

Every week 4 GB of new data was generated in our system.

Moks (Belarus)
9/2007 → 8/2008

As my thesis project I developed server platform on **C# 2.0** technology for Windows for quick integration between programs of warehouse and accounting control. With the use of **.Net Compact Framework** I created a program for pocket PC on **Windows Mobile** designed to control goods in warehouse with the use of barcode scanner.

I developed text proprietary protocol (based on XML) of data transfer over wireless networks.

Programs are successfully launched on several enterprises and are still working there. One of large clients is a confectionery Spartak, Gomel.