ALEXANDER MIKHALCHENKO

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SUMMARY

I'm skilled fast-learning developer with a strong mathematical background constantly looking for ways to apply and enrich my knowledge. Over the past years I have worked with a variety of web technologies and I'm experenced in backend, frontend, databases and software architecture. I have good communication skills and 2 years of working in different teams.

TECHNICAL STRENGTHS

JavaScript (3 years)	ES6, Angular, Aurelia, JSPM, Bower, jQuery, Isomorphic apps, React
NodeJS (1 year)	Express, NPM, Grunt, Gulp, Yeoman, Browserify, JSLint
PHP 5.3+ (3 years), PHP7	Symfony 2, Symfony 1.4, Wordpress, Silex, Composer, Doctrine, PDO
MySQL, SQLite (2 years)	MySQLi, InnoDB; Raw and with ORMs
MongoDB, Redis (1 year)	ElasticSearch, Mongoose, MapReduce
HTML/XML (3 years)	HTML5, DOM, Schema, SAX, Canvas
CSS (2 years)	SASS, LESS, CSS3, Bootstrap, Flat UI
Testing	Mocha, Karma, Selenium, PHPUnit, Nightmare.js
Other	AWS (EC, S3, SQS), Python (NumPy, OpenCV), C/C++, C# (.NET) Java (Spring, Swing), lots of APIs (Dropbox, Google, Mangopay, etc)
VCS	Git, Perforce

WORK EXPERIENCE

DualLab — August 2015 - Present
Full stack Web Developer — *Minsk, Belarus*
· Was responsible for development of the web client and the REST API on top of the legacy SOAP API
· NodeJS + Express used for backend, Angular for frontend
· Test-driven development (Nightmare.js and Mocha for testing)
· Agile Software Development (Scrum)
· Recommendations from my team leader and colleagues can be found on my linkedin profile

StarOfService — April 2014 - August 2015
Full stack Web Developer — *Paris, France*
· PHP, Symfony 1.4 for backend; Angular, jQuery for frontend
· integration with AWS (SQS in particular)
· Data mining: TF-IDF-based search engine for the homepage, Mixpanel, duplicate requests detector
· REST API (designed by me from scratch) for the iPhone app
· Agile Software Development (Kanban)
· Recommendations from the CEO, CTO and my team leader can be found on my linkedin profile

Athena Art — February 2014 - April 2014
Wordpress Developer — *Italy, Torino*
· Wordpress customization (creating custom post type managers)
· Load speed optimization (page load time reduced from 1.5s to 0.03s with custom redis-based solution)

Itransition — October 2013 - January 2014
PHP developer — *Minsk, Belarus*
· Symfony web developer (traineeship + work)
· Symfony 2.2 as backend, jQuery + Bootstrap 3 as frontend, worked on a shop catalog system

OTHER PROJECTS I WORKED ON

ToTo.by *since November 2015*

My friend's project that organizes and accumulates all car-related information in Belarus, helping people with the rutine of finding service stations, selling and buying vehicles.

E-Analytics *October 2015*

BI application with recommendation engine for retail and e-commerce (business analysis, feasibility study, marketing research)

Boxinator *September 2015*

Cloud-based workflow management system developed with NodeJS using Dropbox API. Presented at Minsk FinTech hackaton.

MMOPriceFinder.com *July 2014*

Dynamically updating World of Warcraft and other games inner currency rates. Developed with Symfony 2, Angular JS and Flat UI

EDUCATION

Belarussian State University, Belarus *2012 − Present*

Bachelor Degree in Computer Science & Mathematics

Minor in Intelligent Control Systems

Courses taken: Algorithms, Pattern recognition, Natural Text Processing, Calculus, etc.

Average: 9.47

Belarussian State University Lyceum, Belarus *2010 − 2012*

Associate degree in Mathematics

Average: 9.8

MATHEMATICAL ACTIVITIES

International Tournaments of Young Mathematicians

· ITYM 4 − 1st place & gold medal July 2012, Paris, France
· ITYM 6 − 2nd place & gold medal (team leader) July 2014, Bremen, Germany

Belarussian Mathematical Olympiads

· 61st BMO − I diploma April 2011, Belarus, Gomel
· 62nd BMO − II diploma April 2012, Belarus, Gomel

Local Tournaments of Young Mathematicians

· XIV Belarussian TYM − 1st place (team leader) December 2012, Belarus, Minsk
· XV Belarussian TYM − 1st place (team leader) December 2013, Belarus, Minsk
· 2nd St.Petersburg TYM − 1st place (team leader) March 2014, Russia, St. Petersburg

PUBLICATIONS

"Sentimental corpus of texts generating system for solving semantic web problems in tourism domain"

Presented at the 72th BSU Scientific Conference (May 15, 2015). Approved for publication, is to be published before the 73rd BSU Scientific Conference.