



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 experienced 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)
VCS	Java (Spring, Swing), lots of APIs (Dropbox, Google, Mangopay, etc)
	Git, Perforce

EXPERIENCE

DualLab <i>Full stack Web Developer</i>	August 2015 - Present <i>Minsk, Belarus</i>
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- 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

Projects:

+ REST API

Created API on top of the existing legacy gSOAP API.

+ Web client

Worked on the prototype for the web client (products's name can't be disclosed due to NDA).

StarOfService <i>Full stack Web Developer</i>	April 2014 - August 2015 <i>Paris, France</i>
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- PHP, Symfony 1.4 for backend; Angular, jQuery for frontend
- Agile Software Development (Kanban)
- Recommendations from the CEO, CTO and my team leader can be found on my linkedin profile

Projects:

+ API for the StarOfService iPhone app

Developed the API from scratch, it implements all customer functionality of StarOfService website.

+ Sherlock the service search engine

TF-IDF based search engine for service lookup for the homepage

+ Request moderation tool

A tool to moderate user's request based on user scoring system and request similarity.

+ **Integration with AWS**

Took care of SQS integration, participated in S3 integration.

+ **Data mining and analysis tools**

Integrated with **Mixpanel**, set up funnels, created admin interfaces for site statistics (d3, Highcharts)

+ **UX implementation**

Implemented the UX mockups for new signup, search for pros, pro profiles with Angular and bootstrap.

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)

Ittransition

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

Coding for fun

2012 - Present

Working on my or my friends' projects/startups

Minsk, Belarus

+ **ToTo.by**

My friend's project that organizes and accumulates all car-related information in Belarus, helping people with the routine 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)
- XV Belarussian TYM – 1st place (team leader)
- 2nd St.Petersburg TYM – 1st place (team leader)

December 2012, Belarus, Minsk
December 2013, Belarus, Minsk
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.