

# ALEXANDER MIKHALCHENKO

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## SUMMARY

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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've worked with a variety of web technologies, I'm experienced in backend, frontend, databases and software architecture. Empathic communicator.

## TECHNICAL STRENGTHS

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

## EXPERIENCE

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### DualLab

August 2015 - Present

*Full stack Web Developer. Can't disclose product name due to NDA.*

*Minsk, Belarus*

- NodeJS + Express used for backend, Angular for frontend
- TDD (Nightmare.js, Mocha), Agile (Scrum)
- Recommendations from my team leader and colleagues can be found on my linkedin profile
- + **REST API**. Created API on top of the existing legacy gSOAP API.
- + **Web client**. Worked on the prototype for the web client.

### StarOfService

April 2014 - August 2015

*Full stack Web Developer*

*Paris, France*

- 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
- + **API** for the iPhone app
- + **Sherlock** (TF-IDF search engine for service lookup)
- + **Request moderation tool** (user scoring system, request similarity algorithms)
- + **AWS integration** (SQS, S3 integration)
- + **Data mining and analysis tools** (Mixpanel, funnel setup, stats monitor (d3, Highcharts))
- + **PSD2HTML** (Implemented new signup, search for pros & requests with Angular & bootstrap).

### Athena Art

February 2014 - April 2014

*Wordpress Developer. Can't disclose product name*

*Italy, Torino*

- PHP, Wordpress for backend, Custom legacy CSS framework & jQuery for frontend
- + **Custom post type manager**
- + **Speed optimization** (Custom Redis-based caching solution)

## **Itransition**

*Intern. Can't disclose more due to NDA.*

October 2013 - January 2014

*Minsk, Belarus*

- Symfony 2.2 as backend, jQuery + Bootstrap 3 as frontend

## **Coding for fun**

*Coding for fun and working on startups with my friends*

2012 - Present

*Minsk, Belarus*

### + **ToTo.by**

*from November 2015*

My friend's project that accumulates all car-related information in Belarus, helping people to find service stations, sell and buy vehicles.

### + **E-Analytics**

*October 2015*

BI application with recommendation engine for retail and e-commerce.

### + **Boxinator**

*September 2015*

Cloud-based workflow management system developed with NodeJS using Dropbox. 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**

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### **Belarussian State University, Belarus**

*2012 – Present*

Bachelor Degree in Computer Science, minor in Intelligent Control Systems

*Average: 9.4*

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

### **Belarussian State University Lyceum, Belarus**

*2010 – 2012*

Associate degree in Mathematics

*Average: 9.8*

## **MATHEMATICAL ACTIVITIES**

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### **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**

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### **"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.