



# ALEXANDER MIKHALCHENKO

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## SUMMARY

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I'm skilled fast-learning developer with a strong mathematical background. 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, I'm good at making public performances and presentations.

## TECHNICAL STRENGTHS

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<b>JavaScript (3 years)</b>	ES6, Angular, Aurelia, JSPM, Bower, jQuery, Isomorphic apps, JSLint
<b>NodeJS (1 year)</b>	NPM, Express, Grunt, Gulp, Yeoman, Browserify
<b>PHP 5.3+ (3 years)</b>	PHP7, Symfony (1.4, 2.*), Wordpress, Silex, Composer, Doctrine, PDO
<b>Databases (2 years)</b>	MySQL, MongoDB, ElasticSearch, MapReduce, Redis, SQLite
<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), Google&Dropbox APIs
<b>VCS</b>	Git, Perforce

## EXPERIENCE

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### DualLab

August 2015 - December 2015

*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
- + **AWS integration** (SQS, S3 integration)
- + **Sherlock** (TF-IDF search engine for service lookup)
- + **API** for the iPhone app
- + **Request moderation tool** (user scoring system, request similarity algorithms)
- + **Data mining and analysis tools** (Mixpanel, funnel setup, stats monitor: d3, Highcharts)
- + **UI** (Implemented new signup, search for pros & requests: 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
- + **Wordpress Custom post type manager**
- + **Speed optimization** (Custom Redis-based caching solution)

## **Transition**

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

October 2013 - January 2014

*Minsk, Belarus*

- Symphony 2.2 as backend, jQuery + Bootstrap 3 for frontend

## **Personal projects**

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

2012 - Present

*Minsk, Belarus*

### + **VOUFF**

*November 2015*

Live image tracking and replacement on videos, hidden ads localization in videos. 2nd prize at Garage 48 hackaton (Nov 2015), participated in TechMinsk Accelerator (Feb 2016).

### + **Gendalf TV**

*December 2015*

App that sends videos from websites to your LG Smart TV, 1st place at LG Hackaton (Dec 2015).

### + **ToTo.by**

*November 2015*

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

### + **E-Analytics**

*October 2015*

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

### + **Boxinator**

*September 2015*

Cloud-based workflow management system, participant of Minsk FinTech hackaton.

### + **MMOPriceFinder.com**

*July 2014*

WoW, FIFA and other games inner currency rates search.

## **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

## **REPORTS ON CONFERENCES PUBLICATIONS**

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**"Interractibg with websites w/o API"** WebNotBombs conf, Minsk, Feb 2016

**"Aurelia vs Angular 2"** The Rolling Scopes #21, Minsk, Dec 2015

**"Sentimental corpus of texts generating system for solving semantic web problems in tourism domain"** Presented at the 72th BSU Scientific Conference.