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'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 (videos can be found on my linkedin profile).

TECHNICAL STRENGTHS

JavaScript (3 years)	ES6, Angular, Aurelia, JSPM, Bower, jQuery, Isomorphic apps, JSLint
NodeJS (1 year)	Express, NPM, Grunt, Gulp, Yeoman, Browserify
PHP 5.3+ (3 years)	PHP7, Symfony (1.4, 2.*), Wordpress, Silex, Composer, Doctrine, PDO
Databases (2 years)	MySQL, MongoDB, ElasticSearch, MapReduce, Redis, SQLite
HTML/CSS (3 years)	HTML5, DOM, Schema, Canvas, 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

EXPERIENCE

DualLab   August 2015 - Present

Full stack Web Developer. Can't diclose 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)

+ **PSD2HTML** (Implemented new signup, search for pros & requests: Angular, Bootstrap).

Athena Art   February 2014 - April 2014

Wordpress Developer. Can't diclose 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)

Itransition   October 2013 - January 2014

Intern. Can't diclose more due to NDA.   *Minsk, Belarus*

· Symfony 2.2 as backend, jQuery + Bootstrap 3 for frontend

Coding for fun   2012 - Present

Coding for fun and working on startups with my friends   *Minsk, Belarus*

+ **Nagibator**   *2nd prize at Garage48 hackaton, November 2015*
    Live image tracking and replacement on videos, hidden ads localization in videos (Python, OpenCV).
+ **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, etc (NodeJS, Angular).
+ **E-Analytics**   *October 2015*
    BI application with recommendation engine for retail and e-commerce (NodeJS, Angular).
+ **Boxinator**   *Minsk FinTech hackaton, September 2015*
    Cloud-based workflow management system (Dropbox, NodeJS, Angular).
+ **MMOPriceFinder.com**   *July 2014*
    WoW, FIFA and other games inner currency rates search (PHP, Symfony 2, Angular, Flat UI).

EDUCATION

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

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.