



ALEXANDER MIKHALCHENKO

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SUMMARY

IT Expert, Senior Fullstack Developer, R&D engineer, Consultant with extensive experience in Startups. I am someone who can deliver big things in tight time. Strong mathematical background.

PRIMARY TECHNICAL STRENGTHS

JavaScript	Node, next.js, React, Redux, GraphQL/Apollo, Webpack, React Native, Angularjs, D3
Databases	ElasticSearch, MySQL, PostgreSQL, MongoDB, RabbitMQ, MapReduce, Redis, SQLite
Other	PHP7, Symfony, AWS, Python, Groovy, Painless, etc

EXPERIENCE

Xfuturum

February 2017 - Present

Founder, Head of Development

- I manage projects and small dev teams. We primarily work with startups (Seed, Series A)
- Full-stack development, Application architecture development, R&D

Legion Technologies

March 2017 - September 2019, via Toptal

Lead Frontend Developer, Consultant

- Performance optimization, structuring and managing legacy code
- D3-based data visualization

TractionBoard

March 2016 - February 2017

CTO

- BigData processing & visualization (D3), ElasticSearch scripting (Groovy, Painless), Frontend (Aurelia)
- Tracking system architecture development

Severex / Pegasus.ae

November 2015 - December 2016

Senior Frontend Developer (Aurelia)

- Dubai Smart-city project Frontend development (Aurelia.js). BigData visualization, R&D
- Prototyping (inc. demos for Abu Dhabi Smart City conf.)

DualLab

August 2015 - December 2015

Full-stack Web Developer

- Single-handedly developing the backend (Node.js, TDD) for Enfocus.
- Frontend development (Angularjs)

StarOfService

April 2014 - August 2015

Full-stack Web Developer

- Symfony 1.4 development, AWS integration (SQS, S3 integration)
- Single-handedly developing and maintaining primary search engine (TF-IDF based)

Itransition

October 2013 - January 2014

Fullstack Web developer intern (PHP, C#)

Freelance

July 2012 - March 2014

- PHPExcel, Wordpress customization, custom caching solutions (from 1.5s to 30ms for homepage)

FEATURED PROJECTS

Zaask

Zaask.pt is service that matches customers with local professionals

- Legacy to next.js frontend + microservices migration. Performance optimization. React/Redux/next.js

Weeble

Weeble is a networking app launched in the NY in 2019

- Performance optimization, payment flow integration. React/GraphQL/Apollo/next.js

Jooicer

Jooicer is a tool for Twitter automation

- Automating actions (like/favorite/retweet) using a cluster of headless webkit instances

Innovatar

Innovatar is an web-based AR app

- Refactoring and optimizing the codebase (CRA/Redux)
- Working with 3D and AR in browser (Babylon.js)

200hp

200hp: Мотожизнь is a Russian social network for motorcycle enthusiasts

- Geopositioning, route calculation, image processing (React Native)

EDUCATION

Belarussian State University, Belarus

2017 – 2018

Master Degree in Computer Science

Belarussian State University, Belarus

2012 – 2017

Bachelor Degree in Computer Science, minor in Intelligent Control Systems

avg: 9.2/10

Belarussian State University Lyceum, Belarus

2010 – 2012

Associate degree in Mathematics

avg: 9.8/10

HONORS & AWARDS SECTION

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

PUBLIC SPEAKING & PUBLICATIONS

Presentations at local meetups

- Mentor at Imaguru Coding Fest Imaguru Startup Hub, Aug 2017
- Speaker Imaguru Project Management Meetup Series
- Speaker Deti MBA, Apr 2018 - Present
- Aurelia vs Angular 2 The Rolling Scopes #21, Minsk, Dec 2015

Publications

- Angular 2 vs Aurelia on Toptal blog
- Plant Phenomics and Image processing Algorithms 73rd BSU Scientific Conference
- Designing the platform for phenotyping stem cuttings and clones of ornamental woody plants

Medium Blog - featured articles

- The Real Art of Commenting Code
- Bad code high-risk places in your project
- IT Outsourcing: why initial estimates are usually garbage