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 - July 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 (MERN stack)
- Single-handedly developed the backend (Node.js, TDD) for Enfocus
- Worked on Angular.js SPA frontend

StarOfService   April 2014 - August 2015
Full-stack Web Developer
- Symfony 1.4 development, AWS integration (SQS, S3 integration)
- Single-handedly developed 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*
· 3D and AR in browser (Babylon.js). Refactoring and optimizing the codebase (CRA/Redux)

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 Imsguru 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