

# DMITRY DORONIN

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10 years of professional software development, proficient in Scala, JavaScript/TypeScript, C#.

Hands-on experience with:

- back-end libraries and frameworks: Akka, NodeJS Express, Python Flask, .Net stack;
- big data frameworks and tools: Spark, Hadoop, Airflow;
- databases: MongoDB, MsSQL, PostgreSQL.
- front-end libraries and frameworks: React, RxJS, Vue, Backbone, AngularJS;

Author of Reactive Hooks library: <https://github.com/reonomy/reactive-hooks>

Technical writer on Medium: <https://medium.com/@dmitrydoronin>

Experienced in Python, Java, Swift, Rust, C/C++.

## WORK EXPERIENCE

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**Founding Engineer, Smartrr (pre-series A startup)**, <http://smartrr.com> Dec 2020 till now

- Architecture design and development of a billing engine - the core of the product.

Tech stack: NodeJS, TypeScript, GraphQL, React, PostgreSQL, Kubernetes, AWS Lambda, SQS.

**Staff Software Engineer, Reonomy**, <http://reonomy.com>

Feb 2019 - Dec 2020

*Roles: Data Engineer, Front-End Tech Lead, Back-End Engineer*

- Featured in "The Road to React..." <https://www.reonomy.com/blog/post/reactive-hooks>
- Key contributor in spark data jobs using Dataset API, GraphX and Functional Programming.
- Leded Ownership Portfolios development from the ground up.
- Significantly improved operations by utilizing Grafana, automated data validation steps and airflow.

Tech stack: Scala, Spark, Python, Flask, React, TypeScript, RxJS, Airflow, Elastic Search, PostgreSQL.

**Lead Software Engineer, EPAM Systems**, <https://www.epam.com>

Nov 2018 - Feb 2019

*Contractor at Scripps Networks Interactive / Front-End Tech Lead*

- Leded web applications front-end development.

Demo: <https://www.foodnetwork.com/meal-match>

Tech stack: JavaScript, Vue, NodeJS, Ruby, Java, AWS.

**Lead Software Engineer, EPAM Systems**, <https://www.epam.com>

Jan 2016 - Oct 2018

*Contractor at Goldman Sachs / Full-Stack Developer*

**May 2018 - Oct 2018, Marquee, Trading and risk-management platform.**

- Development of the FX order execution platform. <https://marquee.gs.com/solutions/trader>

**Jan 2016 - Apr 2018, SIMON, Structured products investment platform.**

- Architecture design and development of a real-time investment platform. <https://www.simon.io>

Tech stack: Scala, Akka, WebSockets, MongoDB, BackboneJS, React, MobX, TypeScript, Protractor.

**Lead Software Engineer, EPAM Systems, <https://www.epam.com>** Aug 2014 - Dec 2015  
*Contractor at Thomson Reuters / Team Lead, Key Front-End Developer*

- Led a team of 4 software developers and 2 QAs.
- Developed Eikon Apps: Portfolio Dashboard, Fundamentals, Aggregate Report and Grid Report.  
<https://eikon.thomsonreuters.com/>
- Key contributor to the proprietary virtualized grid library used across TR products.
- Performance tuning for intensive calculations on FE with Web Workers.
- Responsible for sprint planning, tasks assignments, progress tracking and delivery.

Tech stack: JavaScript, AngularJS, LESS, NodeJS, Gulp, Bower, ASP .NET Web API 2, Silverlight.

**Senior Software Engineer, EPAM Systems, <https://www.epam.com>** Sep 2011 - Jul 2014  
*Contractor at Telligent / Full-Stack Key Developer*

- Core features development for Telligent Community Server. <https://www.telligent.com>
- Addons development for Ms SharePoint integration via Telligent extensions and Scripted Widgets.

Tech stack: ASP .Net, WinForms, WCF, NUnit, Windows Services, MsSQL, proprietary Telligent Scripted API and Scripted Widgets, ES5, JQuery, HTML5, CSS3, LESS.

**Software Engineer, EPAM Systems, <https://www.epam.com>** Jun 2011 - Aug 2011  
*Full-Stack Developer*

- Internal proprietary services development.

Tech stack: C#, .Net WPF, ASP.Net, WCF, JavaScript, JQuery, MsSQL.

## EDUCATION

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**Saratov State University named after N.G.Chernyshevsky, <https://www.sgu.ru/en>**

2010 — 2013 PhD, All But Dissertation.

2006 — 2010 Additional Qualification "Interpreter".

2005 — 2010 Master's degree in Radiophysics and Electronics.

Author of 14 publications in electrodynamics, mathematics and computer science:

[https://www.researchgate.net/scientific-contributions/2013742207\\_D\\_M\\_Doronin](https://www.researchgate.net/scientific-contributions/2013742207_D_M_Doronin)

<https://elibrary.ru/item.asp?id=15117920>

## SELECTED PUBLICATIONS

- [1] A.N.Savin, I.A.Nakrap, D.M.Doronin *The equivalent circuit parameters calculation of a coupled cavity chain using electrodynamic characteristics* IEEE, 2010.

<https://ieeexplore.ieee.org/document/5632593>

- [2] A.N.Savin, I.A.Nakrap, D.M.Doronin *The high-order optimal design of experiment development on the base of regular simplex for the slow-wave structures characteristics modeling* IEEE, 2010.

<https://ieeexplore.ieee.org/document/5632591>

- [3] M.V.Davidovich, A.N.Savin, D.M.Doronin *Electromagnetic properties of metallic photonic crystals* IEEE, 2010.

<https://ieeexplore.ieee.org/document/5632577>