

# DMITRY DORONIN

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## FRONT-END TECH LEAD / SCALA + AKKA + SPARK / RUST

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9 years of professional software development, proficient in Scala, TypeScript, Rust, Python, C#.

Hands-on experience with:

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

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

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

## WORK EXPERIENCE

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

Feb 2019 till now

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

- Boosted front-end web stack from AngularJS and server-side rendering to React 16, RxJS, TypeScript. This work was featured in the article "The Road to React: Building the Reactive Hooks Library". <https://www.reonomy.com/blog/post/reactive-hooks>
- Initiated spark data jobs development shift toward Dataset API, GraphX and Functional Programming.
- Implemented the ownership knowledge graph for the ownership portfolio project.
- Introduced grafana based monitoring tools, automated data validation steps.
- Improved data pipeline automation with airflow.
- Developed REST endpoints in Python Flask.

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*

- Led web application front-end development for Food Network + Vue CLI 3 Plugins for CI/CD.

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>

Tech stack: WebSockets, React, TypeScript, MobX.

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

- Architecture design and development of the real-time investment platform. <https://www.simon.io>
- Automated end-to-end testing with Protractor.

Tech stack: Scala, Akka, WebSockets, MongoDB, BackboneJS, React, 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 in the Field of Professional Communication".

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>