

DMITRY DORONIN

New York, NY

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13 years of professional software development as a back-end, data and front-end engineer.

- front-end: React, RxJS, Vue, Backbone, Yew (personal projects);
- back-end: Elixir, Scala, Nodejs, .Net, Rust (personal projects);
- big data: Spark, Hadoop;
- databases: MongoDB, MsSQL, PostgreSQL.

Interested in distributed systems, algorithms, ML, and programming languages.

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

BLog: <https://medium.com/@dmitrydoronin>

WORK EXPERIENCE

Senior Software Engineer, Dataminr, <https://www.dataminr.com> Nov 2021 - Jan 2023

- Led design and development of a distributed highly scalable web service in Elixir. This service aggregates data from all Dataminr microservices and operates as a frontier for all Front-Ends (web, mobile, email, integrations such as slack, etc.)

Tech stack: Elixir, Phoenix, Absinthe, GraphQL, Backstage, AWS, ECS.

Founding Engineer, Smartrr, <https://smartrr.com> Dec 2020 - Jun 2021

- Designed the back-end architecture and implemented a billing engine and advanced subscriptions features such as add-ons, skips, gifts, anchor dates, etc.

Tech stack: Node, TypeScript, GraphQL, React, PostgreSQL, Kubernetes, GCP.

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>
- Led Ownership Portfolios development from the ground up.

Tech stack: Scala, Spark, GraphX, Python, React, TypeScript, RxJS, Airflow, ES, 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 Scripps Food Network.
- Automated CI/CD front-end pipeline based on Vue CLI 3 Plugins.

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

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

2010 — 2013 PhD, All But Dissertation.

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://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>