DMITRY DORONIN

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

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

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, `http://www.epam.com`   Nov 2018 - Feb 2019
Contractor at Scripps Networks Interactive / Front-End Tech Lead

· Leaded 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, `http://www.epam.com`   Jan 2016 - Oct 2019
Contractor at Goldman Sachs / Full-Stack Developer

May 2018 - Oct 2019, Marquee, Trading and risk-management platform.
· Development of the real-time FX order execution platform.

Tech stack: WebSockets, React, TypeScript, MobX.

Jan 2016 - Apr 2019, SIMON, Structured products investment platform.
· Architecture design and development of the real-time investment platform.
· Automated end-to-end testing with Protractor.

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

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

· Leaded a team of 4 software developers and 2 QAs.
· Developed Eikon Apps: Portfolio Dashboard, Fundamentals, Aggregate Report and Grid Report.
· 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, `http://www.epam.com`   Sep 2011 - Jul 2014
Contractor at Telligent / Full-Stack Key Developer

· Core features development for Telligent Community Server.
· 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, `http://www.epam.com`   Jun 2011 - Aug 2011
Full-Stack Developer

· Internal proprietary services development.

Tech stack: C#, .Net WPF, WCF, MsSQL.

EDUCATION

N.G. Chernyshevsky Saratov State University, `https://www.sgu.ru/en`   2005 - 2010
Master's degree in Physics.

References

[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`

Author of publications in electrodynamics, mathematics and computer science:
· `https://www.researchgate.net/scientific-contributions/2013742207_D_M_Doronin`
· `https://elibrary.ru/item.asp?id=15117920`