

Ryan Tracey - Full Stack JavaScript Software Engineer

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Pragmatic information technology (IT) professional with a wide range of industry experience. Focus on writing clean, testable, containerized code that scales.

Technical Skills

Languages: JavaScript, HTML5, CSS3, Sass/Less, JSON, Yaml, Markdown, C#

JavaScript: TypeScript 4+, ECMAScript 4-13, Node.js, Express, Next.js, React/Redux, Angular.js, Gatsby.js, Socket.io, Passport.js, Vogels, Mongoose, jQuery, Ramda/Lodash

Databases: DynamoDB, MongoDB, MySQL, Neo4j, Elasticsearch

Testing: Jest, Mocha, Sinon, Chai, Cypress

Code Quality/DX: ESLint, Prettier, Storybook, Plop.js, GitHub Copilot

Cloud:AWS: CloudFront, EC2, IAM, Lambda, RDS, Route 53, S3, SES, SQS, VPC

Build Tools: TSC, Webpack, Babel, NPM, Lerna/NX, Gulp, GitLab CI, Jenkins, Docker/Podman

Professional History

SENIOR APPLICATION DEVELOPER - MARKETING (05/2019 - Present)

Red Hat Canada (IBM), Remote

AccountIQ - Account-Based Marketing Platform

- Simplify presentation of millions of discrete marketing engagement data points being captured annually, highlighting trends within target accounts.
- Activate small engagement signals to surface highly actionable insights, summarizing thousands of accounts weekly.
- Maintain and monitor platform modifications over hundreds of monthly active user sessions, improving marketing and sales workflows and outcomes.

MO-Hub - Marketing Campaign Management

- Led team migrating from legacy Salesforce system to streamlined, modern solution currently in development, introducing suite of microservices and new data stores slated to replace aging CRM in 2023.
- Built applications to aid in creating consistent, trackable marketing campaigns and events for hundreds of global marketers, centralizing workflows and ensuring proper data entry / integration with CRM, Eloqua email automation, and accounting systems.

OpenShift (Kubernetes), MongoDB, MySQL, Node.js, TypeScript, GraphQL, React, Lerna, PatternFly, GitLab

SOFTWARE ENGINEER - PERSONAL FINANCE (08/2016 - 04/2019)

Rocket Loans (Rocket Mortgage), Detroit, MI

- Extended underwriting engine to process multiple sets of eligibility criteria, resulting in improved application acceptance rates.
- Functioned as major contributor to development of checklist mechanism synchronizing outstanding tasks between customer and operations team which, over time, facilitated simplified workflows for the operations team and improved expectations for loan clients.

AWS, DynamoDB, Node.js, Docker, React, Angular.js, ES6, Webpack, Babel

SOFTWARE ENGINEER - HUMAN RESOURCES (10/2015 - 08/2016)

JustSift (Rocket Mortgage), Detroit, MI

- Built out highly scalable Software-as-a-Service (SaaS) based employee directory application (app) called Sift, consisting of mobile-ready Angular JS front-end served via CloudFront CDN on AWS.
 - Application programming interface (API) is OAuth2 authenticated, featuring full-text search implemented in Elasticsearch, built on Node.js/Express and multi-tenant ready at core.
 - Angular.js app is built using cutting edge tools, including Browserify, Gulp, and Babel.
 - Entire app, front and back end, was written modularly using ES6.
 - Modularity was achieved using NPM modules and sophisticated custom tools written to implement versioning across 8 Github repositories that composed Sift.

AWS, Elasticsearch, Node.js, Angular.js, Stormpath/OAuth2, ES6, Browserify, Babel

LEAD SOFTWARE ENGINEER – SOCIAL NETWORKING (9/2014 – 10/2015)

Rock Ventures (Rocket Mortgage), Detroit, MI

SOFTWARE ENGINEER – TITLE INSURANCE (9/2013 - 9/2014)

Amrock (Rocket Mortgage), Detroit, MI

Education	Certifications
<i>Fall 2003 - Summer 2007</i>	<i>12/2019 - 12/2022</i>
Honours Bachelor of Applied Science	AWS: Certified Solutions Architect
University of Windsor, Windsor, ON	
Concentration: Electrical and Computer Engineering	