

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, JSX/TSX, AngularJS, Gatsby.js, Socket.io, Passport.js, Mongoose, Vogels, Ramda/Lodash, jQuery

Testing: Jest, Mocha, Cypress, React Testing Library, Enzyme, Sinon, Chai

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

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

Databases: DynamoDB, MongoDB, MySQL, Neo4j, Elasticsearch

Source Control: Git, Github/Gitlab

Professional History

05/2019 - Present

SOFTWARE ENGINEER - MARKETING

Red Hat (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

- Lead 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, Express, TypeScript, GraphQL, React, Jest, Cypress, React Testing Library, Lerna, PatternFly, GitLab

08/2016 - 05/2019

SOFTWARE ENGINEER - PERSONAL FINANCE

RocketLoans (Quicken Loans), 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, AngularJS, Mocha, Chai, Enzyme, Protractor, ES6, Webpack, Babel

10/2015 - 08/2016

SOFTWARE ENGINEER - HUMAN RESOURCES

JustSift (Quicken Loans), Detroit, MI

- Built out a highly scalable SaaS-based directory application called Sift
- Sift consists of a mobile-ready Angular JS front-end which is served via CloudFront CDN (AWS)
- The API is OAuth2 authenticated, featuring a full-text search implemented in Elasticsearch, built on Node.js/Express and is multi-tenant ready at its core
- The Angular JS app is built using cutting edge tools like Browserify, Gulp and Babel
- The entire app (front and back end) is written modularly using ES6
- Modularity was achieved using NPM modules and sophisticated custom tools that I wrote to implement versioning across the 8 Github repos that compose Sift
- The Sift architecture is something that I am extremely proud of building and I've learned a lot from it

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

9/2014 – 10/2015

LEAD SOFTWARE ENGINEER – SOCIAL NETWORKING

Rock Ventures (Quicken Loans), Detroit, MI

- Lead agile development efforts in a stealth start-up funded by [Dan Gilbert](#)
- The first phase of the project was to convert an ASP.NET MVC 5 app to an Angular JS front-end with an ASP.NET WEB API 2 powered API (SignalR 2, Entity Framework 6, SQL Server 2012)
- We subsequently performed a complete rewrite in Node.js/Express and leveraged the mighty relational power of a graph database (Neo4j)
- Our AngularJS and Socket.io front-end was served via CloudFront CDN
- Authentication was handled via Facebook and basic forms strategies from Passport.js

AWS, AngularJS, Node.js, Socket.io, Neo4j, Redis, SASS/Compass

9/2013 - 9/2014

SOFTWARE ENGINEER – TITLE INSURANCE

Title Source (Quicken Loans), Detroit, MI

- Helped create NexsysDataSolutions.com, a B2B ancillary mortgage services portal
- Worked as a full stack .NET developer on an Agile team with four developers and three business analysts
- Implemented dynamic forms, advanced security filters and Angular.js single page applications

ASP.NET MVC 4, SQL Server 2012, jQuery, AngularJS, HTML, CSS3

5/2010 - 12/2014

WEB DEVELOPER/FOUNDER - SOFTWARE CONSULTING NextGen Computer Innovation/Gounce, Inc., Windsor, ON

- Rapidly delivered custom websites and applications to clients
- Created SEO and SEM campaigns for customers and tracked their effectiveness with Google Analytics
- Provided database maintenance, repair and redundancy services to clients

Client Highlights:

Eleven Winds, Belle River, ON (18 months)

- Worked with a team of developers to deliver projects using .NET (MVC 4 and Webforms)
- Managed and developed projects using the Agile methodology
- Created and maintained the company's custom CMS

Pourtrait.com, Windsor, Ontario (4 months)

- Project was built using ASP.NET MVC 4, SQL Server 2012 and EF
- Worked as a full-stack developer to deliver a food and beverage discovery application
- Duties included creation of several custom jQuery plugins, a custom routing module, data model and custom membership provider

zZipline.com, St. Louis, Missouri (3 months)

- Project was built using CakePHP, MySQL and Knockout.js
- Worked with a team of developers and UX designers to create one of the first social payment platforms
- Deployed a variety of custom user experience enhancements to the application (AJAX search, autocomplete, popovers and tooltips)

Team My Mobile, Windsor, ON (2 months)

- Constructed numerous websites to facilitate the company's web presence and sales

- Managed SEO and website performance to drive new sales (Joomla! CMS and Magento eCommerce)

12/2008 - 4/2010

APPLICATION ENGINEER - SYSTEMS ENGINEERING CONSULTING

Sandalwood Enterprises, Farmington Hills, MI

- Ford Motor Company: Rapidly delivered information systems projects to the company
- Remotely accessed and managed multiple server applications and databases
- Utilized VB to rapidly deliver and validate deliverables

2008

PROJECT MANAGER - FIRE PROTECTION ENGINEERING CONSULTING

Kieffer and Associates Incorporated, Windsor, Ontario

- Performed Ontario and NFPA fire code interpretation for the design of fire protection systems
- Managed the procurement process for new contracts by distributing RFQ packages

2007 - 2008

PROCESS ENGINEER - FROZEN FOODS

Bonduelle, Tecumseh, Ontario

- Created designs for capital project implementations and processing lines
- Configured and maintained a drawing archive intranet application for easy access to plant drawings
- Orchestrated the writing of standard operating procedures (SOPs) for the plant

Education

Fall 2003 - Summer 2007

HONOURS BACHELOR OF APPLIED SCIENCE

University of Windsor, Windsor, ON

Concentration: Electrical and Computer Engineering