Ryan Tracey - Full Stack JavaScript Software Engineer

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I am a pragmatic full stack JavaScript engineer with over 12 years of experience. I focus on writing clean, testable, containerized code that scales.

Professional History

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

Red Hat Canada (IBM), Remote

AccountIQ - Account-Based Marketing Platform

- With millions of discrete marketing engagements being captured, there was a need to simplify this data and display it from an Account-Based Marketing point of view.
- On a weekly basis, thousands of accounts are summarized, using small engagement signals to surface highly actionable ones.
- With hundreds of weekly active users, the platform has greatly improved marketing and sales work flows and outcomes.

MO-Hub - Marketing Campaign Management

- With hundreds of marketers across the globe, creating consistent, trackable marketing campaigns and events is a sizable problem.
- MO-Hub centralizes these workflows by ensuring proper data entry as well as integration with Salesforce CRM, Eloqua email automation, and accounting systems.
- A migration from the legacy Salesforce instance to less customized modern instance, requires our team to implement a new solution for campaign storage and integration.
- The solution, code-named Nimbus, is currently in development. A suite of microservcies and new data stores will replace the aging CRM in Q2 2023.

> OpenShift (Kubernetes), MongoDB, MySQL, Node.js, GraphQL, React, Redux, PatternFly, GitLab

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

RocketLoans (Quicken Loans), Detroit, MI

- Lending is highly regulated industry and must be handled with utmost care. Ensuring customers meet all eligibility criteria before a loan is closed is a difficult problem.
- A checklist mechanism, to synchronize the outstanding tasks between the customer and the operations team was created. I played a major role in delivering this project.
- Over time, this solution led to 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 (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 learned a lot from it

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

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

Rock Ventures (Quicken Loans), Detroit, MI

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

Title Source (Quicken Loans), Detroit, MI

Technical Skills

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

JavaScript: Typescript 4+, ECMAscript 4-13, Node.js, Express, Next.js, Gatsby.js, Socket.io, Passport.js, Vogels, Mongoose, jQuery, Angular 1-4, React/Redux, Ramda/Lodash

Databases: DynamoDB, MongoDB, MySQL, Neo4j, Elasticsearch, SQL Server 2008/2013

Testing: Jest, Mocha, Sinon, Chai, Cypress

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

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

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

Education	Certifications
Fall 2003 - Summer 2007	*12/2019 - 12/2022*
HONOURS BACHELOR OF APPLIED SCIENCE	**AWS**
University of Windsor, Windsor, ON	**Certified Solutions Architect**

Concentration: Electrical and Computer Engineering

Hobbies

Gaming, kayaking, fishing