

# JAMES D. HAGEMAN

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Software Engineering | University of Waterloo | [github.com/JamesHageman](https://github.com/JamesHageman)

416-262-9985

A highly focused software developer with advanced problem solving skills and an ability to create complex application architecture. A quick learner who absorbs new information easily with strength in rapidly prototyping a minimum viable product. Demonstrates, communicates and collaborates effectively in an agile team setting.

## SUMMARY OF QUALIFICATIONS

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- 4 years experience in frontend engineering with React, Flux, AngularJS and Test Driven Development
- 4 years experience in backend development with Node.js, Express, PHP, SQL, and Websockets
- Experienced with MVC web architecture and delivering full end-to-end features with tight deadlines

## PROFESSIONAL EXPERIENCE

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**Rangle.io** JavaScript Developer, Toronto Ontario May 2016 - August 2016

- Developed a critical e-commerce project for a major retail client with React, Redux, Redux-Saga, Ramda and functional programming to make the frontend code modular, scalable and fast
- Composed APIs from a product database, a Firebase CMS, and other APIs with a Node.js Koa server
- Rendered the React app on the server side to increase SEO and time-to-interaction
- Synchronized between 5 remote teams in an agile scrum process delivering new working software every week
- Reduced bugs by maintaining 80% unit test coverage with Mocha, Enzyme and CircleCI

**Innovasium Digital** Full Stack Web Developer, Markham Ontario Summers 2012 - 2015

- Taught new co-op students React, Redux and Rails in multiple onboarding sessions

Client Project: *PAAB Advertising Approval System* (2013-2015):

- Built a modern web application for PAAB that manages the submission, review and approval process for ~8000 advertising submissions/year for pharmaceutical industry
- Improved company's daily workflow by implementing real-time collaborative PDF annotation system with React, Node.js and Websockets with Socket.io
- Built 50+ screens for workflow, admin and reporting using AngularJS, a REST API with PHP and SQL

Client Project: *Plexus Promotional Gateway v8* (2015):

- Improved the performance and user experience of a legacy system that processes ~\$1M of samples and promotional items per year for top pharmaceutical companies
- Rebuilt the user interface as a React web application with a modern look and feel

Open Source: *Frontend Web Development Starter Kit* (2015):

- Modernized our web development process by combining React, Flux MVC Architecture, Babel, Webpack, jQuery, Bootstrap, LESS, ESLint, NPM into one package
- Starter kit is used as a baseline for multiple portal projects for customer service, learning management, and ordering at Innovasium; made React the go-to tech stack at the company

## EDUCATION

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**Candidate for Bachelor of Software Engineering - University of Waterloo**

2015 - 2020

- President's Scholarship of Distinction for entrance average above 95%
- Dean's Honour List and the top decile in 1A

## INTERESTS

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- Functional Programming and new JavaScript libraries like React, Redux-Saga, Cycle.js, RxJS and Elm
- Performing music – jazz/blues guitar, vocals, piano