**James Hageman** [jamesd@hageman.ca](mailto:jamesd@hageman.ca)Software Engineering | University of Waterloo | [github.com/JamesHageman](https://github.com/JamesHageman) 416-262-9985

**SUMMARY OF QUALIFICATIONS**

* Production deployment, automation, and monitoring with Kubernetes, Docker, AWS, CI and Datadog
* Frontend engineering in JavaScript with React, Redux, AngularJS, Test-Driven Development
* Backend development with Ruby on Rails, Node.js, PHP, SQL, Websockets, ElasticSearch and Kafka

**PROFESSIONAL EXPERIENCE**

**Shopify** Production Engineering Intern,Waterloo ON Fall 2017

* Implemented DNS-based failover for ElasticSearch clusters, reducing incident response time to 5 minutes
* Refactored ElasticSearch indexing to be interruptible and resilient, unblocking our product teams
* Architected a zero downtime ElasticSearch version upgrade using multiple clusters and CI pipelines
* Built a safe topic deletion mechanism for Kakfa, allowing teams to iterate without risking data loss

**Shopify** Developer Intern,Waterloo ON Winter 2017

* Shipped merchant-facing error reporting for Shopify Scripts using Ruby, Kafka, Sentry, and React, increasing merchant trust and decreasing support load from broken scripts
* Streamlined customer migrations to Shopify Plus by developing the Bulk Customer Invites app
* Deployed and monitored new production services with Kubernetes, CI, and Datadog

**Rangle.io** JavaScript Developer,Toronto ON Summer 2016

* Developed the new e-commerce platform for Aldo Shoes with React, Redux, Redux-Saga, Ramda and functional programming to make the frontend code modular, scalable and fast
* Increased SEO and time-to-interaction by rendering the React app on the server side in Node.js
* Synchronized between 5 remote teams in an agile process delivering working software every week
* Reduced bugs by maintaining 80% unit test coverage with Mocha, Enzyme and CircleCI

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

* Migrated legacy CMS platform to Docker using AWS ECS for deployment and CircleCI for automation
* Led multiple onboarding sessions teaching React, Redux and Rails to new co-op students
* Built a modern web application for client with PHP, AngularJS and SQL that manages the submission, review and approval process for ~8000 advertising submissions/year for pharmaceutical industry
* Improved clients’ daily workflow by implementing real-time collaborative PDF annotation system with React, Node.js and Websockets with Socket.io
* Rebuilt the frontend of a clients’ legacy system as a React app to improve architecture and speed

**EDUCATION**

**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

**PROGRAMMING SKILLS**

**Languages:** Ruby, JavaScript, SQL, PHP, Bash, Elm, Haskell, C++, HTML, CSS

**Technologies:** Docker, Rails, React, ElasticSearch, Kafka, AWS, Kubernetes, Datadog, Node.js, Sentry

**INTERESTS**

* Performing music: jazz/blues guitar, vocals, piano
* Personal finance: budgeting, investing, and forecasting with YNAB and Wealthsimple