

Kyra Stephen

Software Engineer

📍 Toronto, Canada 🌐 <https://github.com/kbop543> [in https://www.linkedin.com/in/kyesteph/](https://www.linkedin.com/in/kyesteph/)

Skills

Golang, Ruby on Rails, Scala, Flink, Kafka, React, C#, Java

Education

Bachelor of Science, Computer Science Specialist,

2014 – 06/2019 | Toronto, Canada

University of Toronto

Professional Experience

Software Developer, *Shopify* [↗](#)

06/2020 – Present | Toronto, Canada

Team: Engage - Customer Behaviour - Customer Events

Developed and maintained multiple technological services that are crucial to providing insights into marketing efforts of Shopify merchants

- Developed and scaled a Golang, Kafka-based service that parses, validates, augments and produces almost 2 billion unique server-side events per day from digital storefronts
- Developed GraphQL APIs that configure webhooks allowing partners to subscribe to these events via AWS Eventbridge and GCP pub/sub endpoints
- Independently developed a Flink pipeline service that utilizes the Flink DataStreamAPI and produces events using Kafka Sinks and Side Output

Full Stack Developer, *Borrowell* [↗](#)

07/2019 – 03/2020 | Toronto, Canada

Team: Conversion

- Increased conversion rates by 18% by creating RESTful APIs that integrated financial partners' APIs that allowed users to send leads using users' prepopulated profile data
- Helped to spearhead the development ,user interface and analytics integration of a guided product questionnaire experience to help users choose products built using C#, Angular, Azure Application Insights and Google Analytics
- Created modular Angular components ,using a standardized ,company-wide styleguide, that can be reused throughout the site
- Redesigned the website's navigation bar using Angular to make it more user friendly, icon-based and responsive
- Added automated unit testing to build triggers in Azure devops using YAML

Full Stack Software Developer Intern,

07/2017 – 08/2018 | Toronto, Canada

Indigo Books and Music [↗](#)

Team: Search

- Improved conversion rates by integrating a new search framework called Algolia to existing legacy code
- Implemented search performance improvements by changing the data structure used ,from plain JSON to a hashset, using Redis as the cache

Simplified accessing data by using Azure data entities to cache queues, tables, reference data and other complex entities

- Team: Gifting
- Improved wish list experience of users on Indigo.ca by redesigning the frontend and implementing new features such as filter, manual decrement, quick view and more using React, Redux, C# and .NET
- Provided users with the ability to create , customize and organize registries using React,Redux,C# and .NET

Full Stack Developer Intern, Garner [🔗](#)

05/2017 – 07/2017 | Toronto, Canada

- Wrote Scala and AngularJS applications to transform client-given input into meaningful data used to manage ExxonMobil's supply chain
- Implemented a log management tool using the ELK Stack that accepts raw log data then transforms, exports and visualizes that data
- Practiced continuous delivery within a team of ten people to deploy ever-changing functionalities into production that must pass the rigor of a Jenkins environment
- Practiced test driven development using Scala and Karma test suites, in order to assess product functionality and performance