

---

## OBJECTIVE

Application developer and aspiring full stack developer seeking an opportunity to develop software in a creative and exciting environment.

---

## TECHNICAL EXPERTISE

- Java; T-SQL, C, C#, C++, Ruby on Rails, Python, Bash
- HTML, CSS, XML, JSON, REST Architecture
- Microsoft SQL Server, Eclipse, Git, Mercurial, Heroku, AWS Cloud Computing
- Object Oriented Design and Development, Design Patterns
- Machine Learning, Data Analysis

---

## EMPLOYMENT

### KFL&A Public Health

#### Application Developer

**Summer 2013 - Present**

- Developed a Web Service using REST endpoints that uses several natural language processing algorithms to analyze and classify hospital records from more than 80 hospitals in real-time.
- Created a Web Service using REST endpoints that was used to develop a real-time outbreak and disease surveillance interface for epidemiologists.
- Designed and Implemented a syndromic surveillance aberration detection system in T-SQL that used multiple statistical models to analyze hospital data in real-time on multiple different geographies, issuing alerts when necessary to Epidemiologists.

#### Junior Developer

**Spring 2012 – Summer 2013**

- Architected and developed a generic HL7 parser using C# that was responsible for the parsing of thousands of unique health records for more than 80 hospitals.
- Created a Windows Service with Java that would fetch HL7 records from hospitals in real-time and encrypted and securely transferred them to an Amazon Web Services (AWS) Simple Queue Service.
- Developed a Linux Daemon using Java and Bash that fetched encrypted HL7 records from an AWS EC2 Server. These records were then decrypted and parsed into Microsoft SQL Server by using a set of precompiled functions that I had created in C#.

---

## ADDITIONAL EXPERIENCE

#### Technical Co-Founder

**BuddyBench**

**Winter 2014**

- Participated in “Startup Weekend Tech For Good” and was part of a team that developed a business model while implementing frontend and backend requirements using HTML, CSS, Ruby on Rails and Postgresql. Awarded 1<sup>st</sup> place in “Startup Weekend Tech for Good”.

#### Technical Co-Founder

**Griflens**

**Fall 2013**

- Participated in “Startup Weekend Toronto Maker Edition” and was part of a team that developed a business model while implementing backend requirements with MySQL and Java. Awarded 1<sup>st</sup> place in “Startup Weekend Toronto Maker Edition” and 2<sup>nd</sup> place in AWS Judging Category for “Global Startups Battle”.

---

## EDUCATION

**Kingston, ON**

**Queen’s University**

**Fall 2008 – Spring 2013**

- Bachelor of Computing (Honours) Software Design