29-1098 King St W
Kingston, ON

WISAM ZAGHAL

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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 1st 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 1st place in "Startup Weekend Toronto Maker Edition" and 2nd 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