

# SAMANTHA ZAMMIT

## Software Engineer

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### SUMMARY

Talented Software Engineer with a strong track record of leading successful migrations, developing efficient solutions, and enhancing system performance. Skilled in Python, Ruby on Rails, React, and Apache Kafka. Proven ability to streamline processes, improve scalability, and collaborate with cross-functional teams. Excited to contribute to innovative projects and advance organizational goals.

### EXPERIENCE

#### Software Engineer

Fundthrough 02/2023 - Present Toronto, ON

- Led the migration of 2 **Ruby on Rails** services, one that housed a Dropbox Sign integration and another that utilized a Plaid integration to **Python lambdas**, resulting in improved efficiency and scalability.
- Created a **Python**-based **Plaid** identity verification service, integrated with a **React** application, streamlining the 'know your customer' process and reducing the risk of fraud to almost 0% and improving the efficiency of the risk team.
- Migrated from synchronous to asynchronous communication between microservices with **Apache Kafka**, enhancing system responsiveness and enabling more efficient data processing.
- Took part in **knowledge sharing sessions** once a month to train fellow engineers on microservices' communication patterns, architecture and new technology enhancing team collaboration and skill development.
- Led a major partnership to integrate the front-end experience with Intuit Quickbooks, focusing on user **authentication**, expanding the product's reach and functionality.
- Successfully completed an **embedded integration** project within a remarkably short timeframe of 6 months, exceeding initial estimates of 6 to 12 months, showcasing leadership and **sprint planning** abilities.
- Created organized and well documented system design overviews for new features and upgrades as I worked through projects.

#### Client Support Engineer

Fundthrough 01/2022 - 02/2023 Toronto, ON

- Resolved **80+ Jira tickets monthly** with short term and long term solutions in 12 services, ensuring timely resolution and system improvement.
- Introduced new features and long term bug fixes in **Ruby on Rails** and **React** applications, enhancing functionality and user experience.
- Directed the migration of invoice data ingestion to Sidekiq queues, reducing processing times for 10,000+ transactions daily.

#### Software Engineering Student

Woodbridge Group 05/2019 - 08/2020 Mississauga, ON

- Maintained and refactored (**C#**, **HTML**, **JavaScript**) web applications and legacy systems, resolving bugs and improving performance, enhancing user experience and **system reliability**.
- Developed a **C++** application that gathered depth and stereoscopic images from a 3D camera and converted the depth images into unsigned 16-bit arrays to analyze depth differences using **OpenCV**.

#### Software Engineering Intern

Woodbridge Group 05/2019 - 08/2019 Mississauga, ON

- Developed a configurable notification service in **ASP.NET Core** based on the user's preferences to alert for plant events using Twilio, improving communication and response capabilities in 6 manufacturing facilities.
- Achieved a 20% increase in operational efficiency and safety by developing a **Xamarin**-based system, communicating via **SignalR**.

### LANGUAGES

English Native ●●●●●  
Spanish Advanced ●●●●●

### TECHNOLOGIES

Apache Kafka Rest Apis Asp.net  
AWS Electron Docker HTML  
Java Javascript Python  
Ruby on Rails Ruby S3 SQL  
Twilio Verilog VHDL Xamarin  
Azure JavaScript CS3 Django  
Segment Turing NewRelic C  
C++ C# GraphQL PostgreSQL

### PASSIONS

- Canine Agility
- Hiking
- Piano
- Skiing
- Kickboxing

### EDUCATION

Bachelor of Engineering, Biomedical and Electrical

Carleton University

Ottawa, ON