# Mitchell Mathieu

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## SUMMARY

A cloud-native software developer with expertise in serverless computing and event-driven microservice architectures, and excellent communication skills which expedite collaboration across technical and functional teams. Highly skilled at understanding business requirements and translating them into application and system designs.

## PROFESSIONAL EXPERIENCE

**Consultant,** Deloitte (Cloud Engineering), Toronto, ON **August 2020 - present**

**Azure Developer**, *retail client*

*Project 2 - Application Management Services*

- Monitoring the client's Azure environment for errors, triaging incidents, deploying hotfixes, and creating enhancements to address recurring problems
  - Designing and implementing a solution to automatically detect a common business error and correct it with serverless Functions, automating about 100 corrections per month and saving our team hundreds of hours of manual work
  - Fixing a systemic issue with one of the client's data synchronization mechanisms (caused by a latency inherent to Azure durable entities), thus improving the success rate of product updates by about 10%
- Performing root-cause analysis of incidents through Azure Application Insights log queries (KQL), Cosmos DB queries (NoSQL), analyzing Logic App runs, local debugging of Azure Functions, and reproducing API requests through Postman
- Performing code reviews, assembling guidelines on coding standards, and maintaining high quality documentation

*Project 1 - Product Flow Upgrade*

- Designed and implemented a change request to the client's product update process, with realized savings of over $50,000 per week in product shrink costs at the client's distribution centre
- Facilitated discovery sessions with both the client and a third-party vendor to understand how products can be updated to have unique attribute values at each distribution centre, allowing the business to reduce product shrink
- Developed an event-driven microservice solution using Azure Functions, Cosmos DB, Event-Grid, Service Bus, API Management, and Storage tables

**C#/.NET Developer**, *banking client*

- Developed robotic process automation software using the C#-based Pega Robotics tool, increasing the client's productivity and freeing-up employees to focus more of their time on customer experience
- Frequently worked as the sole developer on each project, taking responsibility for most of the SDLC including planning, design, development, testing, deployment, and maintenance
- Mentored and trained new developers, gave presentations and demos to the client, and led developer meetings

**Software Developer Internship,** Dialogic, Ottawa, ON **May 2019 - August 2019**

- Built a RESTful microservice integration with Google Sheets using Java and Spring Boot
- Integrated an AI chat bot and an out-of-office messaging bot with the company's instant messaging and conferencing software using Kotlin and Android Studio to retrieve, send, and display messages
- Practiced agile and scrum development, led scrum meetings, and utilized git for version control

## VOLUNTEER EXPERIENCE

**Partnerships Coordinator,** Canadian Undergraduate Conference on AI (cucai.ca) **September 2019 - April 2020**

- Financially supported Canada's largest undergraduate AI conference by helping to raise nearly $100 000
- Secured one of two title sponsors for the conference, sourced relevant speakers, and managed our partners' experiences

## EDUCATION

**Bachelor of Computing (Honours),** Queen's University, Kingston, ON **April 2020**

- Studied computer science through courses in algorithms, computer architecture, machine learning, logic, math, and more
- Undergraduate research project used Tensorflow to predict vehicle positions from camera and LiDAR data
- Activities and teams: Queen's rowing team, QMIND: Queen's AI Hub

## SOFTWARE SKILLS AND CERTIFICATIONS

**Certifications:** Azure Developer Associate (AZ-204), Azure Fundamentals (AZ-900)
**Languages:** C#, Java, Python, SQL, Kotlin, Tensorflow, HTML, CSS, Git, Bash
**Software:** Visual Studio, VS Code, Microsoft Azure, Azure DevOps, JIRA