

# Mitchell Covert

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## Software Developer

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Software developer with nearly 10 years of experience in web application development, focusing primarily on back-end and dev-ops projects. Works effectively with varying teams, creating features collaboratively alongside other developers. Strong leadership skills, enhanced through mentoring junior developers and supporting team members. Efficiently manages time, fixing bugs and meeting feature release deadlines. Keen learner interested in expanding knowledge base, and encountering new teams and technology in future employment experiences.

## Key Skills

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Software Development Life Cycle, Programming, Quality Assurance, Project Management, Testing, Leadership, Technology Solutions, Web Application Development, Problem Solving

## Technical Skills

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- **Programming Languages:** Java, Go, SQL, Bash/Shell Scripting, Batch Scripting, Python, Typescript
- **Technologies:** Spring, Elasticsearch, Docker, Kubernetes, Jenkins, Relational Databases (e.g. SAP HANA, MySQL), Cloud Foundry, Linux (e.g. Ubuntu, SUSE), Blackduck, Checkmarx, GitHub Actions, Piper
- **Methodologies:** Agile, Scrum

## Professional Experience

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- Developer** (*SAP Canada Inc.*) **Waterloo, Ontario** *May 02, 2016 - May 31, 2024*
- Developed and maintained multiple native Java and Java Spring Boot Web Applications in a microservice architecture on SAP BTP Cloud Foundry.
  - Strengthened and revitalized existing document search and indexing, bringing search efficacy up from 50% to 80%.
  - Refactored and updated document indexing application to incorporate new frameworks and introduce Elasticsearch natural language processing (ELSER) on documents. Reduced existing code bloat, and created a new reusable and extendable structure for future projects.
  - Created a Go server Docker image that enables secure document uploads in order to better protect customers from external threats. Able to prevent security vulnerabilities from reaching customers by incorporating third-party security scanning technology into document life cycle.
  - Developed common library and parent project to be used across entire microservice landscape, to reduce redundancy and improve developer efficiency.
  - Adapted to unfamiliar microservices in order to add new features and apply bug fixes.
  - Worked effectively with internal stake holders realizing new features and providing comprehensive support for issues.
  - Provisioned and managed multiple aspects of microservice infrastructure such as applications in SAP BTP Cloud Foundry, relational Databases, virtual machines in cloud environment, and Docker containers running in a Kubernetes environment.
  - Developed new continuous integration and continuous delivery (CI/CD) pipeline using GitHub Actions. Responsible for automating test workflows, and deployment sets improving overall team efficiency and improving stability and performance ratings.
  - Mentored and supported students throughout their internships. Responsible for managing intern backlog, prioritizing tasks, and providing hands-on support.

## Education

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- Software Engineering\*** *McMaster University* **Hamilton, Ontario** *2013-2018*
- Relevant Courses: Data Structures and Algorithms, Software Architecture and Design, Concurrent Programming

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\*20 Credits short of BEng Degree