

# Mitchell Newell

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## Summary

Innovative, creative and self-motivated graduate of Software Engineering with experience and education in software design/analysis and application development. Fluent in English with excellent communication and interpersonal skills. A fast learner with strong time management and multi-tasking skills with a strong work ethic and strong troubleshooting and problem-solving skills.

## Education

### **BSc in Software Engineering | (2015 – April 2020) | University of Calgary**

- Final Academic year Technical Elective courses include, Computer Security, Network Security, Machine Learning, Biometric System Design, Computer Vision
- Worked on an entrepreneurial capstone project developing an innovative animation studio implementing a 3D interface

### **BSc General Science | (2014 - 2015) | Mount Royal University**

- Finished the year on the Dean's list

## Technical Skills & Abilities

- Proficient in C, C++, Java, JavaScript, Python and PHP programming languages and familiar with assembly
- Experienced writing Unit and Integration tests
- Familiar with android app development
- Experience using GitHub, Gitlab and Bitbucket
- Experience with SQL
- Experience with Docker, Kubernetes, Google Cloud Platform (GCP) and Amazon Web Services (AWS)
- Experienced with Agile software development

## Technical Work Experience

### **Helcim | Infrastructure Developer, CI&CD | June 2021 – Current**

Duties:

- Build and document Helcim's Kubernetes environment from the ground up
- Implement ArgoCD into Helcim's Kubernetes environment
- Maintain and add on to Helcim's ELK stack (ElasticSearch, Logstash, Kibana)
- Maintain and improve Helcim's deployment pipelines
- Update, maintain and manage Helcim's database environment
- Collaborate in mitigating security emergencies (such as DDOS attacks)

### **Helcim | Infrastructure Developer, Core | April 2021 – June 2021**

Duties:

- Implement ProxySQL into Helcim's database setup
- Update Helcim's Encryption and Data Vault services and oversee the Data Vault projects move to Docker

### **Helcim | Junior Developer - System Security Focus | June 2020 – Apr 2021**

Duties:

- Maintain, manage and update Helcim's central security "Control" service
- Manage and maintain Helcim's servers, network, TLS certificates
- Maintain and manage Helcim's crons across all microservices
- Monitor and mitigate security events/vulnerabilities
- Investigate new infrastructure technologies
- On call responsibilities

### **Animagic | Capstone Project | September 2019 – April 2020**

Duties:

- CFO of the Animagic team
- Lead the development of the layer menu, tool menu, as well as the in-app color selector
- Contributed to the development of an innovative one stop solution for 2D/3D animators

### **Software Developer Intern | Arterys inc. | May 2018 - July 2019**

Duties:

- Member of the platform team specializing in backend processes
- Contribute to the development of the Arterys third-party ML Model integration service
- Develop Unit and Integration tests
- Worked on MFA service and Arterys Third Party IDP service
- Bug fixing