Mitchell Newell

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Summary

Innovative, creative and self-motivated graduate of Software Engineering with experience and education in software design/analysis, infrastructure and development. A fast learner with excellent communication and interpersonal skills, strong time management and multi-tasking skills with a good work ethic and well-rounded 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, Java Script (Node.js, AngularJS, Vue.js), Python and PHP programming languages and familiar with assembly
- Experience with Docker, Kubernetes and deployment pipelines
- Experienced writing Unit and Integration tests
- Experience with shell scripting
- Experience using GitHub, Gitlab and Bitbucket
- Experience with SQL
- Experience with cloud technologies such as Google Cloud Platform (GCP) and Amazon Web Services (AWS)
- Experienced with Agile software development

Technical Work Experience

Reach | Software Developer, Core Team | February 2022 – Current
- Integrate embedded PowerBI reports into Reach's merchant facing Admin application
- Complete a UI overhaul on the merchant facing Admin application
- Create and improve Postman automation tests
- Facilitate cross team communication and stake holder meetings

Helcim | Infrastructure Developer, DevOps | June 2021 – February 2022
- Build and document Helcim's Kubernetes environment from the ground up
- Implement ArgoCD into Helcim's Kubernetes environment
- Maintain and improve Helcim's deployment pipelines
- Build and maintain Helcim's development docker environment
- 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
- 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
- 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
- Implement QR Code 2FA into our web application
- Implement equipment order management to Helcim's "Hub" service

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