MICHELLE WATSON

Software Engineer

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New Software Engineering graduate with 2 years of practical work experience from co-op positions. Interested in cyber security and full-stack development, seeking a full-time position beginning in February 2024.

RELEVANT SKILLS

MySQL / PostgreSQL	React Framework + JavaScript	Java	Azure	
HTML5/CSS3	Docker	AWS	Agile / Scrum Methodologies	Jira

WORK EXPERIENCE

Change.org - Victoria, BC (Remote)
Software Engineering Co-op
May 2022–August 2022

- Successfully migrated multiple legacy frontend pages from Ruby on Rails to ReactJS, which included updating the GraphQL API queries and mutations, to enhance the user interface.
- Contributed to EDA migration work by consolidating V2 Amazon SNS topics per event to a single EDA consumer for all events, using Terraform, AWS topics, and AWS lambda functions.
- Collaborated in a scrum team with daily stand-ups and bi-weekly sprints following agile project development best practices.

Exact Detailing Ltd. - Victoria, BC
Tekla Software Junior Developer – Co-op *January 2021–April 2021*
Tekla Software Senior Developer – Co-op *May 2021–December 2021*

- Enhanced the Tekla Structures software by automating steel detailing design processes for improved efficiency through window forms applications using the Tekla Open API.
- Collaborated on the development of an ASP.Net and MySQL-based web application to streamline project management processes.
- Deployed applications to Azure, enhancing security by implementing measures such as Azure Active Directory two-factor authentication.
- Demonstrated leadership skills as the co-op team lead by training new students, facilitating communication with supervisors, and managing task assignments.

Vivosonic Inc. - Toronto, ON
Hardware Test Engineer – Co-op
January 2020–April 2020

- Wrote and executed comprehensive hardware tests on Vivosonic auditory diagnostic products, ensuring compliance with frequency ranges and calibration standards.
- Conducted in-depth analysis on the output frequencies generated under varying input voltages to determine the optimal voltage that maximizes accuracy while mitigating cable degradation.
- Produced detailed reports detailing test procedures, results, and actionable recommendations.

EDUCATION

University of Victoria - Victoria, BC
Bachelor of Engineering - Software Engineering, Mechanical Systems Minor
September 2018 - December 2023
3.9 GPA

Hobbies: Climbing, Camping, Hockey, Hiking, Biking, Reading
Projects: Course Scheduler Algorithm, CyberSci Regional Competition, VikesCTF, Victoria Hand Project

References Available Upon Request