

MICHAEL YU

SOFTWARE DEVELOPER

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PROFILE SUMMARY

Results-driven software developer with a broad scientific background and a proven track record of delivering tailored software solutions. Possesses a strong work ethic fostered through research and co-op experience, complemented by a socially-conscious approach to problem-solving that prioritizes the end user's needs. Eager to apply expertise and expand skill set, aiming to contribute to the success of an exceptional organization.

WORK EXPERIENCE

Full Stack Developer

Apr 2022 – Mar 2023

SISA Energy Ltd. – Vancouver, BC

- Built 3 new dashboards for the SISA Platform with ReactJS to deliver high fidelity data visualizations and analysis features to clients – awarded first place (Digital Services of Coast Capital Venture Competition).
- Enabled real-time access to energy portfolios and reporting services through the SISA Platform – eliminating the need for on-site audits and simplifying the process of decarbonization planning.
- Developed Redis caching functionality in Python and implemented live on Azure to improve security and efficiency of the platform by over 80%.

Junior Developer

May 2021 – Dec 2021

Sierra Wireless Inc. – Richmond, BC

- Led the full development life cycle of 4 projects, including requirements gathering, solution development, deployment to live servers, and documentation.
 - **Test Station Detection:** Developed and managed a website with ASP.NET and C# to monitor real-time status of remote test stations in a commercial product repair line – directly providing management with its first automated visibility to test stations in international space.
 - **Warranty Checker:** Created a method to allow thousands of serial numbers to be processed simultaneously – dramatically improving the rate of customer service to meet demand.
 - **RMA Status Checker:** Developed a self-serve website feature to enable direct and secure client access to their own records 24/7.
 - **SKU Manager:** Implemented C# exception handling in proprietary software to eliminate a crippling dependency on Agile Cloud Services to ensure uninterrupted product repair line operations during cloud downtime – contributed to significant savings in annual operational costs.
 - Investigated and resolved ad hoc issues presented by clients.
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EDUCATION

British Columbia Institute of Technology – Vancouver, BC

Dec 2022

Diploma in Computer Systems Technology (Cloud Computing Option, GPA: 89%)

University of Toronto – Toronto, ON

Jun 2019

Honours Bachelor of Science (H.B.Sc. in Biology)

SKILLS

Languages: Python, SQL, JavaScript, C#, Java, C

Frameworks: ASP.NET, React (Material-UI, Tailwind, React-PDF), Flask, Flutter.

Cloud Computing & DevOps: AWS (EC2, Lambda, S3, Cloud9, DynamoDB, RDS, CloudFront, CloudWatch, CodePipeline, Elastic Beanstalk), Azure (Data Lake, Redis), Docker, Jenkins.

OS: Windows, Linux.