

Himika Dastidar

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Work Experience

Benevity [Improving]	Software Engineer	June 2023 - Present
<i>Spring Boot, Java, Mockito, AWS Management console, DynamoDB, VueJS, PHP</i>		
<ul style="list-style-type: none">Engineered a Spring Boot microservice that enables sending effortless notifications to both client administrators and end users at various stages of the donation seeding process.Created an intuitive Java SDK using openapi-generator, streamlining integration with other microservices and clients for enhanced user experience.Enhanced general availability and scalability of the notification microservice, introducing additional features to support handling of over 100,000 notifications gracefully without disrupting other services during query operations.		
SAS [Improving]	Software Engineer	June 2022 - April 2023
<i>React, TypeScript, Jest, JUnit, Java, Spring Boot, SQL Server</i>		
<ul style="list-style-type: none">Modernized Commodity Trading and Risk Management application into a web application using frameworks such as React, Spring Boot and SQL Server.Collaborated with the product owner, developers to gather requirements and design features.Wrote comprehensive unit tests to ensure the development of high-quality and reliable features.Developed front-end experience using internal react component libraries to develop a seamless and consistent front end that is visually appealing.		
Improving	Consultant-I	October 2023 - Present
<ul style="list-style-type: none">Organized and hosted three lunch-n-learn seminars with over 100 guests in each featuring various topics such as AI/ML, Microservices and DevOps.		
Improving	Associate Consultant	June 2022 – October 2023
<ul style="list-style-type: none">Obtained Professional Scrum Master, Professional Scrum Facilitation Skills, and Professional Scrum Product Owner certifications.Presented a lunch and learn seminar about Jest to my colleagues at Improving, fostering and contributing to a culture of continuous learning and growth.		
Garmin	Software Quality Assurance Intern	Jan 2021- December 2021
<i>Pytest, Python, Octane, JIRA, Git, Jenkins</i>		
<ul style="list-style-type: none">Implemented Jenkins CI/CD pipelines, reducing unit testing run times from 180 to 45 seconds.Automated analysis with Python, bash scripts, Selenium, and Appium, reducing time by 75%.Orchestrated product acceptance tests 5 interns, ensuring strict adherence to quality standards.Conducted comprehensive reviews, synthesized results, and reported findings to product and platform tech teams for enhanced issue visibility and expedited bug resolution.		
Benevity	Software Developer Intern	May 2020 – Aug 2020
<i>PHP, Agile, Mac CLI, VueJS, Python, Git, JS/HTML/CSS</i>		

- Developed a proof-of-concept (POC) recommendation system using Python effectively matching customers with volunteering opportunities. Expanded the POC to scale using AWS SageMaker, processing production data and providing personalized recommendation.
- Collaborated with developers to enhance SaaS application, delivering new features, addressing bugs, and improving the user experience for increased customer satisfaction.

Projects and Activities

Mentorship Application Portal

Big Brothers Big Sisters of Calgary

2020- 2021

JavaScript, NodeJS, VueJS, Firebase

- Delivered a full-stack web application that is currently used across Alberta to Big Brothers Big Sisters of Calgary to improve the process of onboarding mentors. Provided beta-testing support.
- GitHub link: <https://tinyurl.com/2p8jext9>, YouTube Demo: <https://tinyurl.com/3jpuhyju>

Mindful App

Swift, Firebase

- Crafted a user-friendly multi-page Swift app to track daily mood and activities on a calendar.
- GitHub link: <https://tinyurl.com/yjcjc8vh>, YouTube demo: <https://tinyurl.com/2p852rwu>

Information Security Club

University of Calgary

2019-2020

Python, Kali Linux, Linux CLI, Cryptography, Capture the flag (CTF)

- Organized and hosted weekly CTF-style competitions, cryptography workshops, hired and trained junior executives to strengthen the infosec club and campus community.

Hack The Change Hackathon

University of Calgary

2021

ReactJS, Firebase

- Created and won Hack-the-Change 2021 Hackathon proof-of-concept application that gamified making mental health a priority using a virtual companion called Tama-got-U.
- GitHub link: <https://tinyurl.com/ycx48bna>

Calgary Hacks Hackathon

University of Calgary

2019

Python, Java, Raspberry Pi

- Placed 3rd among 60+ teams by creating a proof-of-concept bar code scanner that categorizes items into reusable, recyclable, compostable or trash in 24 hours in a team of three first-year students.

Education

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| • Bachelor of Science in Computer Science | University of Calgary | 2022 |
| • Master of Science in Cancer Biology | University of Calgary | 2016 |
| • Bachelors of Health Sciences (Honours) | University of Calgary | 2012 |

Other Work Experiences

Emergency Communication Officer

City of Calgary

2017- 2021

- Call evaluated for EMS, Fire and Police service for the City of Calgary and Rocky View County.
- Tactically responded to callers, reducing harm and obtaining crucial information for first-responders while maintaining composure in high-stress situations.