Kalindu De Costa

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Education

University of Toronto – *Honours Bachelor of Science (B.Sc.)*   Sep 2014 - Apr 2019
- Specializing in Software Engineering (Co-op)

Experience

IBM Canada – *IIDR Data Replication Software Developer & Cloud Developer*   May 2018 - Present
- Direct work with IBM cloud with Kubernetes / Terraform to automate operation process for CDC Cloud
- Worked largely towards the CDC for Kafka offering including Kafka Custom Processing Operator to replicate database changes as they happen and delivers them to Kafka as a target
- Attended to customers directly (L2/L3) through SalesForce, found and resolved product defects and wrote private and public documentation which eased the day-to-day development for the customers as well as the team

IBM Canada – *IIDR Data Replication Software Developer Intern*   Sept 2016 - Dec 2017
- Extensively worked with RTC/GIT version control and the IBM mainframe systems like IBM Z and the iSeries
- Worked considerably towards QA which involves integration testing, functional testing and unit testing successfully to resolve and reduce bugs and defects
- Attended to customer complaints (L3), found, and resolved product defects and wrote private documentation and public documentation which eased the day-to-day development for the team as well as the customers

University of Toronto – *Teaching Assistant*   Sept 2016 - Apr 2017
- Planned and taught a weekly 1-hour lesson on C / C++ / Python programming, advanced data structures and sorting algorithms to a group of 30 students which enhanced knowledge and understanding of core Computer Science topics and led to a successful semester for all my students

Projects

PyBuggy –*Western Canadian Conference Computing Education '19*   ReactJS, Express, MongoDB, REST
- Created a full stack application with user authentication to solve python problems and record attempts
- Co-led a research team in developing a research tool and publishing a study investigating the impact of enhanced Python error messages on the success and satisfaction of novice programmers

The Art of Guessing (AOG)   NodeJS, SocketIO, MongoDB, REST
- A WebSocket based multiplayer drawing game completed using NodeJS and SocketIO. AOG contains a fully functional user account system along with user statistics, public multiplayer matchmaking and private lobbies

Leadership

Open Source Society (OSS) – *Co-President*   Jan 2019 - Aug 2019
- Launched a student association to increase student collaboration on campus by building a community where students can improve their technical skills by contributing to open source software projects
- Established a student community by organizing workshops with industry partners (such as Mozilla and Rogers) with a total attendance of over 150 students and designed all promotional materials

Technical Skills

Languages	Python, JavaScript, C, Java, HTML/CSS, SQL, SH/Bash
Web Frameworks	ReactJS, NodeJS, Express, Flask, SocketIO, Chai/Jest
Databases / Operating Systems	MongoDB, MySQL, PostgresSQL, Windows, OS X, Unix / Linux
Tools	AWS, Kubernetes, Confluent/Kafka, Terraform