Radhika Lakhtakia

SOFTWARE ENGINEER

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Experience

IBM   *Markham, ON*
BACK-END CLOUD DEVELOPER INTERN   *May. 2019 - Sept. 2020*

- Designed, developed and debugged software features utilizing Java for WebSphere Application Server - an IBM flagship product
- Created a prototype using Java to help smoothen RedHat acquisition transition
- Developed and maintained automated test cases for the WebSphere Application Server
- Took lead on project features enhancing user experience when using WebSphere Liberty products
- Analyzed scrum processes (Agile) and engaged in sprint planning sessions to achieve sprint cycle milestones
- Regularly attended workshops and lab-wide hackathons to gain hands-on exposure to new evolving IBM and industry technology
- Migrated existing application onto IBM cloud to easily deploy micro-services utilizing Tekton and Docker
- Collaborated cross-functionally to deliver defect fixes in a timely and efficient manner across releases
- Lead the IBM intern committee to plan and deliver social and career development events for fellow intern colleagues

TD Canada Trust   *Mississauga, ON*
QA AUTOMATION INTERN   *May. 2018 - Aug. 2018*

- Developed automation tests through Selenium and Quick Test Professional (QTP)
- Reviewed Project Risk Assessments to proactively identify at risk projects, assess their network usage, and automate and test the associated product(s) to minimize risk factors
- Developed Production Acceptance Test (PAT) plans and conducted regression testing for applications changing in the retail branch environment
- Developed a strong understanding and experience of working in both waterfall and agile team-based environments

JUNIOR TEST AUTOMATION DEVELOPER INTERN   *May. 2017 - Aug. 2017*

- Employed ALM to conduct Regression, TSO, Omnibug, WAT, JAWS, VDS, Front-end, and Back-end test cases to analyze high technology system applications for MBNA Sales & Secure projects
- Tested MBNA Sales & Secure web and mobile applications on iOS and Android operating systems; Tested pages in DEV, SYS, and PAT regression stages
- Drove business development efforts while detecting and raising defects associated with failed test cases
- Documented procedures and test scenarios on Jira and Confluence to maintain project workflow
- Participated in agile procedures like daily stand-ups and retrospective scrum meetings

Skills

Languages:	Experienced in Java, Python, C, Node JS, HTML, CSS;
	Intermediate knowledge in Haskell, Dr. Racket, Android Studio, Java EE, MySQL, React, MatLab;
	Beginner knowledge in Selenium, Quick Test Professional (QTP) ALM, IBM Cloud, Watson AI, Tekton, Docker;
UML:	Planning, Modelling, Diagrams
Applications:	Proficient in Git, GitHub, LaTex, Weebly, Postman, MongoDB, Figma, Microsoft Applications;
Other:	Experienced with Waterfall and Scrum methodologies for project delivery;
	Intermediate in French; Beginner in Spanish ; Intermediate in Hindi;
	Able to work with Linux, Windows 10/8/7, Solaris, AIX environments;

Education

University of Toronto   *Toronto, ON*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MINOR IN MATHEMATICS   *Sept 2016 - Present*

- **National University of Singapore**, Singapore — *Semester Abroad Winter 2019*

Projects

Restaurant Manager
- Employed REST APIs, HTML, CSS, Node JS and MongoDB to develop a web-based application intended for restaurant owners and managers to track details pertaining to employees, finances, inventories and franchises

Money Mitosis
- Used design thinking strategies to effectively design a money splitting app to better enhance user experience for UX design course
- Used Figma software to design the project

Giastros Book
- Used MVC to implement a GUI application that utilizes a command line interface intended for hospital staff to manage patient records
- Used Java, JavaFx and Agile practices to develop the project

Client/Server Cluster
- Leveraged sockets in C to implement a native network protocol for a computer cluster

MS Paint Clone
- Utilized a variety of design patterns (e.g., factory, builder, etc.) and MVC to implement a clone of MS paint
- Used Java, JavaSwing and Agile practices to develop the project

Water Jugs
- Utilized Java to create a simple game displaying the water jug problem; There are 3 jugs with volume capacity of 8L, 5L and 3L respectively, and the player must allocate the water such that there are 4L of water in one jug
- Used MVC to implement game design

Extracurricular Experience

IBM Stem4Girls Innovation Jam   *IBM Canada Lab (Markham, ON)*

Co-Chair   *2020*
- STEM4GIRLS camp is mandated to educate and give hands-on experience to young females about next generation IBM technology, being successful in the STEM fields, and the role women play as leaders in STEM
- Redesigned IBM Stem4Girls 20 year camp into a new and improved semi-hackathon over the course of 6 months
- Migrated in-person camp to a virtual experience within 3 months of the start of camp to adapt to health situations regarding COVID-19
- Oversaw all core members effectively carrying out their tasks required to make the innovation jam run smoothly
- Registered 26 girls in which they were able to come up with multiple solutions to one of Markham's community issues provided by the mayor of Markham

Project Include   *University of Toronto Mississauga*

Financial Coordinator   *2018*
- Represented Project Include by reaching out to other businesses for sponsorship and advertising inquiries
- Audited financial paperwork, including end of term expense report, and ensuring all club transactions are recorded and reimbursed appropriately at year-end
- Assisted logistic coordinators in preparing for sessions (e.g., catering for events, designing distribution material, etc.)

UTM Boss Women

Volunteer
- Empowering Women Through Success Stories and Raising Awareness Through Education
- Volunteer for initiatives during breast cancer awareness month

Interests
- Archery, Dance, Travelling and Keeping Up with Current Events