

Razin Farhan Hussain

COMPUTER SCIENCE · SOFTWARE ENGINEER

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Summary

Results-driven Software Quality Engineer with 8+ years of experience in the software industry, including 3 years at TryCycle Data Systems Inc., Ottawa, Canada. Skilled in leading quality assurance initiatives, test automation, and software verification methodologies to ensure high-quality software products.

In my most recent role at TryCycle, a provider of digital healthcare platforms, I was responsible for developing and executing automated and manual test strategies, collaborating closely with development and design teams to implement new features and ensure software reliability. Prior to that, I accumulated five years of experience in software engineering, gaining expertise in automation frameworks, test case development, and CI/CD processes.

I am now seeking a software QA position where I can leverage my technical expertise, leadership skills, and strategic planning abilities to drive quality assurance best practices, implement automation testing strategies, and enhance software development processes in a growth-focused environment.

Education

University of Louisiana at Lafayette

104 E University Ave, Lafayette, LA

70504, USA

PH.D. IN COMPUTER SCIENCE

2017 - 2022

M.Sc. IN COMPUTER SCIENCE

2017 - 2019

Military Institute of Science and Technology

Dhaka, Bangladesh

B.Sc. IN COMPUTER SCIENCE & ENGINEERING

2007 - 2011

Experience

TryCycle Data Systems Inc

1525 Carling Ave Suit No 408,

Ottawa, ON K1Z 8R9

SOFTWARE QUALITY ENGINEER LEVEL II

Mar. 2022 - Feb. 2025

- Perform various test verification for mobile (Android, iOS) and web applications in healthcare sectors.
- Develop and execute manual test cases to ensure the quality of the software applications.
- Bug reporting, documentation, and maintenance of various software features using Jira and Confluence project management system.
- Develop automated test cases using selenium, TestNG, Java for web applications and integrate with azure devop platform to ensure CI/CD pipeline.

Samsung R&D Institute Bangladesh

111 Bir Uttam CR Dutta Rd, Dhaka

1205, Bangladesh

LEAD SOFTWARE ENGINEER

Dec 2012 - July 2017

- Performed SDK verification, bug report, and test automation for Samsung's in house mobile OS Tizen.
- Worked in Open Platform (e.g., MAC, Ubuntu, Windows) team to release SDK for mobile application development.
- Generated test coverage report, and maintain QA documentation.
- Developed automated script, and test case for mobile application, and performed regression, unit & API testing.
- Manual to automation test tool development with bash script and python.

ERA Infotech Ltd

Bengal Center, 28 Topkhana Road,

Dhaka 1000, Bangladesh

TRAINEE PROGRAMMER

Feb 2012 - Nov 2012

- Worked in browser-based banking software named My Bank as a front-end developer using JavaScript and Java Struts framework.
- Generated various banking reports with 'iReport' software tool
- Integrated SQL queries with front-end as a report format for the users.

Projects

Evacuation Planner Web Application (github.com/WebFarhan/evacsystem)

SOFTWARE ENGINEERING COURSE PROJECT

- PHP based web application built using cakePHP framework to plan evacuation in an emergency situation.
- It includes various features like showing safe place to evacuate and route to be in that place, ride share system, and user profile system.
- This application is developed by practicing SCRUM methodology, and test-driven development technique is utilized for coding.

Performance Modeling of Industrial 4.0 DNN

Applications(<https://github.com/hpccclab/Benchmarking-DNN-applications-industry4.0>)

CONFERENCE PAPER - HPCC 2020

- Performed an application centric analysis and statistically model the execution time of four categorically different DNN applications on both Amazon and Chameleon clouds
- Conducted a resource-centric approach, and analyze rate-based metric in form of Million Instruction Per Second (MIPS) for heterogeneous machines in the cloud.
- Performed non-parametric modeling, achieved via Jackknife and Bootstrap re-sampling methods, provides the confidence interval of MIPS for heterogeneous cloud machines.

Skills

Programming	Python, JAVA, LaTeX, SQL
Software Tools & Frameworks	Selenium, Postman, Jira, PyTorch, Tensorflow, Docker, kubernetes
Web	JavaScript, HTML, CSS, Wordpress

Certifications

LinkedIn Learning

PROGRAMMING FOUNDATIONS: SOFTWARE TESTING/QA

[Online](#)

Jan 2021

LinkedIn Learning

TEST AUTOMATION FOUNDATIONS

[Online](#)

Jan 2021

edX

INTRODUCTION TO CLOUD COMPUTING

<https://bit.ly/3pssuCG>

[Online](#)

Feb 2017

Publications

Proceeding of IEEE International Conference on High Performance Computing and Communications

ANALYZING THE PERFORMANCE OF SMART INDUSTRY 4.0 APPLICATIONS ON CLOUD COMPUTING SYSTEMS

[USA](#)

Dec 2020

21st International Conference on High Performance Computing and Communications

FEDERATED EDGE COMPUTING FOR DISASTER MANAGEMENT IN REMOTE SMART OIL FIELDS

[China](#)

Aug 2019

IEEE Green Technologies Conference (IEEE-Green)

SERVERLESS EDGE COMPUTING FOR GREEN OIL AND GAS INDUSTRY

[USA](#)

Apr 2019

Reference

- Rachel Hartviksen (Software Development Manager in R&D)
TryCycle Data Systems
Email: rachel@trycycle.ca
Phone: 226-748-2821
- Brett Merriman (CEO in G&A)
TryCycle Data Systems
Email: brett@trycycle.ca
Phone: 613-882-5526
- Dr. Mohsen Amini Salehi (Associate Professor)
CSE Department, University of North Texas (UNT)
Email: Mohsen.Aminisalehi@unt.edu
Phone: +19704308490