Ishtiaque Islam Khan

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Career Objective

Target-oriented Software Quality Assurance Engineer passionate about ensuring software reliability and performance, with a growing interest in leveraging Machine Learning and NLP to enhance software intelligence and testing efficiency.

Skills

Testing Tools: Selenium, Postman, Apache JMeter
Manual Testing: Requirement Analysis, Test Planning, Test Case Design, Test Execution, Bug Reporting, Root Cause Analysis
Test Management: Jira, ClickUp
Programming Languages: C, C++, Java, Python
Concepts: SDLC, STLC, OOP
Databases: MySQL, MSSQL
IDEs: VS Code, Eclipse, NetBeans, Android Studio

Experience

Software Quality Assurance Engineer

W3 Engineers Ltd.   *January 2025 – April 2025*

- Worked on the **Vacation Rental Services (VRS)** platform, focusing on functional, regression, and UI testing for both web and mobile applications.

- Designed and executed **over 10,000 test cases** covering end-to-end scenarios and identified **over 500 bugs**, contributing to early bug detection and improved user experience.

- Coordinated and deployed **hotfix releases** within strict SLAs to address critical production issues, ensuring zero downtime.

- Performed rapid **smoke and sanity checks** post-deployment to verify stability and key functionality before sign-off.

- Collaborated directly with clients to gather and clarify **business requirements**, translating them into concise test plans and acceptance criteria.

- Managed test environments and data, including continuous integration pipelines for **Fast-Check Deployments** in staging and production.

- Monitored application performance logs and error reports, triaging issues and feeding back into the development backlog.

Projects

Load Testing using JMeter
GitHub Link
Performed load and performance testing on an e-commerce website to evaluate stability under high traffic.

API Testing Using Postman
GitHub Link
Tested a ticket booking API for functionality and regression to ensure smooth backend integration.

Let's Fight COVID (Java Desktop App)
GitHub Link
Built a Java-based app for COVID kit purchases and live updates using MS SQL backend.

Detection of Suicide Ideation (Thesis)
GitHub Link
Applied Natural Language Processing and Machine Learning (LinearSVC, Logistic Regression, SGD), along with Deep Learning (LSTM, BiLSTM), to analyze social media texts for depression-related suicidal ideation. Introduced a novel feature extraction method and discovered seasonal language trends for early intervention.

Education

B.Sc. in Computer Science and Engineering
Ahsanullah University of Science and Technology   2019 – 2023
CGPA: 3.188 / 4.0

Higher Secondary Certificate (HSC)
Dhaka Residential Model College   2016 – 2018
GPA: 4.42 / 5.0

Technical Interests

Natural Language Processing, Machine Learning, Deep Learning, Data Science, Artificial Intelligence

Training

Software Quality Assurance Course
Bug Resistance   May 2023 – Aug 2023
Covered manual and automated testing, bug tracking, test planning, and real-world QA scenarios.

References

Mr. Tanvir Ahmed
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Ahsanullah University of Science and Technology
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