

# Md Ariful Islam Foysal

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## Key Qualifications

MSc student in Computer Science with hands-on experience in software development and quality assurance. I have tested mobile and web application systems for healthcare services, developed and tested eCommerce platforms, and contributed to mobile banking and financial service applications. My background in Computer Science provides a solid foundation, and my strong communication skills and quick adoption of new tools, frameworks, and responsibilities enable effective collaboration with technical and non-technical stakeholders, fostering a productive work environment. I bring a structured, detail-oriented mindset with strong debugging and analysis capabilities. Comfortable in agile teams and collaborative environments, I am committed to ensuring software quality, optimizing user experience, and contributing to innovative tech solutions. I have full-time work permission and the flexibility to switch to an industrial master's pathway, allowing seamless integration of work and academic progression.

## Technical Skills:

**Languages:** Java, Python, C++

**Tools & Testing:** Selenium, TestNG, JMeter, Postman, Newman, Jira, Basecamp, TestRail, JAMA, Helix ALM

**Databases:** MySQL, MongoDB

**Others:** Vitis HLS, Power BI, Git

## Education

**University of South Eastern Norway, MSc in Computer Science**

08/2024 – 06/2026 | Kongsberg, Norway

**East West University, BSc in Computer Science And Engineering**

Dhaka, Bangladesh

## Professional Experience

**Software Quality Assurance Engineer, Kona Software Lab Ltd**

09/2021 – 08/2022 | Dhaka, Bangladesh

- Tested **Android/iOS/web** apps for **mobile financial and banking services**.
- Conducted **API testing** with **Postman** and performance testing with **JMeter**.
- Wrote test suites, cases and analyzed software requirements, ensuring early defect detection.
- Performed root cause analysis and **collaborated closely with developers**.
- Ensured **client satisfaction** through effective communication and timely issue resolution.

**Software Quality Assurance Engineer, ReliSource Technologies Ltd**

08/2020 – 08/2021 | Dhaka, Bangladesh

- Tested mobile and web application systems for **healthcare services**.
- Collaborated in **cross-functional teams** to ensure accurate implementation of test cases and requirements.
- Helped maintain software integrity and reliability through continuous testing and bug tracking.

**Junior Software Developer, Harris Web Works**

09/2019 – 08/2020 | Dhaka, Bangladesh

- Developed and tested **eCommerce** systems for diverse clients, ensuring optimized performance and security.
- Participated in front-end and back-end development, as well as debugging and testing workflows.
- Supported deployment processes and assisted in client-side customization and integration.

## Projects

### Implemented and Analyzed Insertion Sort Algorithm Performance

Developed multiple versions of the insertion sort algorithm using **FSMD and ASIP**, evaluated each with **Vitis HLS**, and analyzed performance based on efficiency and resource usage.

### Data Management and Analytics with MongoDB, Python, and Power BI Using GitHub Archive Datasets

- Built a 9GB data pipeline using **MongoDB, Spark, and Python**.
- Designed visualizations with **Power BI** to explore open-source activity trends.
- Demonstrated scalable data processing and analysis workflow.

## Certificates

Full Stack SQA and Software Test Automation, Road to SDET

## Languages

**English** — Fluent

**Norwegian**

Basic (A2–B1, ongoing)

## References

**Hemel Howlader, Senior Oracle Database Administrator, Tietoevry**

hemel.howlader@tietoevry.com

**Kanis Fatema, Full Stack Software Engineer, SLB**

kfatema@slb.com