

# AMENA SYED

## WORK EXPERIENCE

### Software Developer in Test | Playstation

MAY 2023 – AUG 2023

- Initiated all feature testing in **Appium**, **Jenkins** and **Saucelabs** for the mobile PS Store, resulting in a measurable reduction in production bugs by **96%**
- Updated 65+ E2E cases in **Python**, decreasing the overall automation run time on average by **33%**
- Generated telemetry test cases in **qTest** to capture user analytics, enhancing feature development with actionable insights on interactions and navigation

### Software Developer | Canon

SEPT 2022 – DEC 2022

- Identified and resolved bugs in **Java** for the upcoming product release, handling **700K+** medical image records annually
- Optimized **Gradle** scripts through removal of redundant tests, reducing build time by **15% across 500+ tests**
- Spearheaded the creation of a KPI report to assess codebase unit test coverage, revealing a QMS-compliant coverage of **78%**

### QA Tester | University Health Network

JAN 2022 – APR 2022

- Juggled diverse roles to resolve **50+ bugs** in iOS, Android and web versions of telehealth software, expediting the release of 4 major product releases
- Executed ISO 13485-compliant testing, achieving a **92%** test effectiveness in verification, validation and feature testing

## PROJECTS

### Breast Cancer Detector

MAR 2023

- Developed an AI model for breast cancer classification in **Python** using custom **SVM** algorithms and **NN/Random Forest** in **sklearn**, achieving **>90%** accuracy across all methods

### 2023 Conference Website | Marifa Programs Inc

MAR 2023

- Led the design and development of a complete website overhaul in **Figma**, **React** and **Nextjs**, supporting over **300+ attendees**

### mood FM | Hack the North 2022

SEPT 2022

- Created **React** web application that listens to your environment to find a song to fit the mood using the **AWS** Transcribe API and Cohere **NLP** API, yielding a **94%** language model accuracy



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## DEVELOPMENT

**Languages:** JavaScript, Python, Java, C#, C++, HTML, CSS

**Tools:** Git, Bitbucket, Appium, Saucelabs, qTest, Jenkins, Gradle, VS Code, IntelliJ, PyCharm, Figma

## CERTIFICATIONS

2022 Web Development

Udemy – Issued April 2022

## EDUCATION

BASc in Biomedical Engineering  
*with a specialization in AI*

**University of Waterloo**

09/2020 – 05/2025

- GPA: 3.93/4.0

## COURSEWORK

- Data Structures and Algorithms (BME 122)
- Introduction to Artificial Intelligence (SYDE 522)
- Digital Computation (BME 121)

## OTHER ROLES

Frontend Web Developer

Ma'rifa Programs Inc

Youth Lead + Social Media Manager

Al Zahra Shia Association of KW

## HOBBIES

Running, Tennis, Reading,  
Travelling, Bubble Tea  
Connoisseur