

AMENA SYED

WORK EXPERIENCE

Front-End Software Developer | Sony (PlayStation)

JAN 2024 – AUG 2024

- Pioneered the integration of network ads in the PS app, generating **over \$1.2 million** in monthly revenue and increasing ad click-through rate to **6%**
- Delivered network ads **weeks ahead** of the feature cutoff date by successfully aligning goals across external stakeholders, product and business teams
- Led an **RFC** to propose a refactor to the GraphQL codebase to increase query efficiency and scale to the addition of new product features
- Updated team documentation to support new hire, enhancing team alignments and reducing onboarding time for new developer by **20%**

Software Developer in Test | Sony (PlayStation)

MAY 2023 – AUG 2023

- Initiated all feature testing in **Appium**, **Jenkins** and **Saucelabs** for the PS app, 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 client behaviour

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**

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

COURSEWORK

- Digital Computation
- Data Structures and Algorithms
- Introduction to Artificial Intelligence

EDUCATION

BASc in Biomedical Engineering
with a Specialization in AI

University of Waterloo

09/2020 – 05/2025

CERTIFICATIONS

2022 Web Development

Udemy – Issued April 2022

OTHER ROLES

Web Development Lead

Ma'rifah Programs Inc

Youth Lead + Social Media Manager

Al Zahra Shia Association of KW

HOBBIES

Running, Tennis, Reading,
Travelling, Bubble Tea
Connoisseur