KINZA GHAFFAR
Software Engineer

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◯ GitHub

◈ LinkedIn

◈ Personal Website

📍 Oulu, Finland

🎓 EDUCATION

Masters in Information Processing Sciences

University of Oulu

Major: Software Engineering

2023 - 2025

CGPA: 4.82/5

Bachelor in Software Engineering

National Textile University

2017 - 2021

CGPA: 3.64/4   Silver Medalist

💡 SKILLS

Practical Experience

Python, OOP, C/C++, UML, SQL, MySQL, MongoDB, Kotlin, XML, HTML, CSS, JavaScript, React, UI/UX Development, YAML

Further Knowledge

Flask, AL/ML, 3G/4G/5G, DevOps, DevSecOps, Dockers, Kubernetes, CI/CD, Automation Testing, API Testing, Functional & Non-Functional Testing, System Testing

Software Tools

Git/GitHub, Jira, Selenium, Cypress, PyCharm, Android Studio, JMeter

ABOUT ME

A resourceful software engineer, particularly with a deep understanding of software archtecture, development, testing, and maintenance, adept at optimizing CI/CD pipelines and streamlining the whole SDLC process for enhanced workflow efficiency. I apply my expertise to elevate software quality throughout the development process, crafting innovative testing strategies for CX development.

WORK EXPERIENCE

May 2023- Sep 2023
AgentNoon | Remote, Canada

Software Quality Assurance Engineer (SQAE)

- Led the design and implementation of automated Python test scripts for Web-based systems, optimizing workflows and enhancing overall efficiency by 3 times by working in an agile team environment.
- Continuous Integration/Deployment Pipeline Integration, pull requests, load/stress testing, integration/e2e testing.

Jul 2022 - Mar 2023
BlocTech Solutions | Pakistan

Software Quality Assurance Engineer (SQAE)

- Designed and implemented extensive automated test scripts and test suites using Python and JavaScript, and to ensure the seamless functionality and quality of software applications.
- Led the development, configuration, and maintenance of CI/CD pipelines for automated testing, utilizing cutting-edge tools such as GitHub Actions and GitLab.
- Actively participating in cross-functional teams to address complex issues and improve overall software performance.

Jan 2022 - Mar 2022
ElementaryLogics | Pakistan

QA Trainee

- Proactively identified and addressed issues in the development and deployment phases, contributing to the continuous improvement of software effectiveness.

Jul 2021 - Sep 2021
Alpha Logics | Pakistan

Software Engineer, Intern

- I create user-friendly web layouts using HTML, CSS, Tailwind, and JavaScript, enhancing site performance and improved user satisfaction.

PROJECTS

Speech Rectification Application (Final Year Project)

End-to-end development of a mobile application to improve communication in children, seamlessly integrating frontend technologies such as XML and Kotlin for the backend, and Firebase with backend intricacies. Utilized Python for backend development for Machine Learning techniques to train the BERT Masking Model and implement robust data handling processes.

Chat Application

Developed a full-stack mobile application, streamlined chat application, showcasing advanced software development skills to enhance user communication experiences. The application, featuring chat and call functionalities, was a full-stack mobile solution with XML for the front end, Kotlin for the backend, and Firebase for the database.

MENTORSHIP

Software Engineering (SE) Society Head:

Led the society, orchestrating engaging events and workshops to foster skill development, connect students with industry professionals, and provide mentorship for academic excellence. Gained valuable experience in leading a student community and organizing events.

Volunteer For Crimestoppers

Lead community protection initiatives by educating on crime prevention to empower public action and to strengthen community safety.

AWARDS

Silver Medalist

I received a Silver Medal (2nd prize) for my bachelors in Software Engineering in the Computer Science Department for outstanding academic performance (2017 - 2021).

Certificate of Object Oriented Programming Competition

I took part in an OOP project competition, developed a desktop application "Railway Reservation System" using Java and SQL for managing database, and got the 3rd position among all participants.

HOBBIES

- Bedminton
- Cooking & Baking
- Watch Movies
- Discover New Cultures