Nahom Desalegn

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Personal Profile

As an experienced quality assurance professional and Business Analyst, I excel in functional, UI/UX, system, and user acceptance testing. I am proficient in both manual and automated testing methodologies. I employ a meticulous approach to software testing, leveraging various tools to swiftly identify and resolve issues. With strong analytical skills and attention to detail, I adeptly solve complex problems. Whether working collaboratively or independently, I am adaptable and eager to learn, continuously improving my skills. My role as a Business Analyst adds valuable expertise in requirement elicitation, stakeholder management, and process improvement.

Education

Mekelle University
Mekelle University, Ethiopia

BSc in Information Systems
Sept 2012 - May 2016

- **Courses:** System Design and Analysis, Event-driven Programming, Web Development, Object-oriented Programming, Advanced Database System, Information System Management

Wollo University
Kombolcha, Ethiopia

MSc in Computer Networks and Communication
August 2020 - September 2023

- **Some Courses:** Computing Research Methods, Advanced Computer Networking and Communications, Distributed Systems, Systems Administration, Wireless Communication and Mobile Computing, Network Design, Modeling, and Simulation

Work Experience

Wollo University
Kombolcha, Ethiopia

Chief Technical Assistant, Quality Assurance Engineer and Business Analyst
Sept 2020 - Present

- Leading quality assurance initiatives by developing and implementing comprehensive test plans and test cases for software products, ensuring adherence to quality standards.
- Collaborating with cross-functional teams, including developers, product managers, and project managers, to identify and resolve issues and defects in software applications.
- Performing manual and automated testing to validate software functionality, reliability, and performance, ensuring high-quality deliverables.
- Developing and maintaining automated test scripts to streamline testing efforts and improve efficiency.
- Conducting thorough code reviews and analysis to identify potential issues and improve software quality.
- Managing bug tracking and reporting processes, including logging, prioritizing, and verifying bug fixes, to maintain software integrity.
- Documenting testing processes and procedures to ensure consistency and facilitate knowledge transfer within the team.
- Utilizing business analysis techniques to gather and analyze requirements, identify stakeholder needs, and translate them into actionable plans.
- Collaborating with stakeholders to define project scope, objectives, and deliverables, ensuring alignment with business goals.
- Identifying opportunities for process improvements and implementing strategies to enhance software quality and testing efficiency.
- Conducting customer satisfaction surveys, analyzing feedback, and leveraging insights to drive continuous improvement in software products and user experience.
- Collaborating with academic departments to provide technical support for educational technology, e-learning platforms, and classroom technology.

Technical Skills: C++, JavaScript, PHP, React, Jenkins, Selenium, Ubuntu Linux, Linux tools, Scripting.
Soft Skills: Teamwork, Time Management, Communication, Presentation skills.

Projects

Farm App

Wollo University in cooperation with Farm Africa Ethiopia

- A web-based and mobile application that helps to collect and distribute current market and weather information for farmers so that they can sell their products with the latest market information. The project also includes an SMS gateway to disseminate information.
- **Responsible for** requirement analysis, system design, and QA
- Ensure Quality By conducting a manual test on the web, mobile, and SMS
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Trace me mobile APP
Ethiopia, Kombolcha

Wollo University

- Mobile application that can track and display the contact pattern of a person to trace a person's contact information to combat COVID-19 spread
- **Responsible for** Development and testing
- **Technical Skills:** C#, Selenium
- **Soft Skills:** Presentation skills, Teamwork, Logical Thinking.

A Plus
Ethiopia, Kombolcha

Wollo University

- 13 module Enterprise system developed to automate different branches of the university.
- **Responsible for** User acceptance testing
- **Soft Skills:** Presentation skills, Teamwork, Logical Thinking.

PLOYSIS
Ethiopia, Kombolcha

Wollo University in cooperation with Kombolcha polytechnic TVET

- Student Management System customized for Kombolcha Polytechnic College. This system streamlines administrative tasks like enrollment, record-keeping, and faculty-student communication, enhancing academic operations' efficiency and effectiveness.
- **Responsible for** requirement analysis, system design, and QA
- Ensure Quality By conducting a manual test on the web, mobile, and SMS
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

DIRMS-KCA
Ethiopia, Kombolcha

Wollo University in cooperation with Kombolcha City Administration

- Digital ID and Resident Management System for the Kombolcha City Administration. This system facilitates efficient management of resident information and digital identification, improving administrative processes and service delivery within the city.
- **Responsible for** requirement analysis, system design, and QA
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

SA-GERD-AET
Ethiopia, Kombolcha

Community service engagements

- Sentiment Analysis on Grand Ethiopian Renaissance Dam (GERD) Using Arabic and English Tweets. This project aims to analyze the sentiment of tweets written in both Arabic and English regarding the Grand Ethiopian Renaissance Dam (GERD).
- **Responsible for** requirement analysis, system design, and QA
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Skills

Programming   Selenium,Jenkins,React, PHP, C/C++, HTML/CSS, JavaScript, SQL.

Soft Skills   Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Certification

introduction to cyber security   credential for completing Cisco Network Academy@ introduction to cyber security.

introduction IoT   credential for completing Cisco Network Academy@ introduction to IoT Course

Programming with JavaScript   credential for completing courseera course prepared by Meta @ Programming with JavaScript.

Languages

English   Professional proficiency

Amharic   Native proficiency

References available upon request.