

# Tewodros Berhanu Demelash

## Software Developer | QA Tester

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### PROFESSIONAL EXPERIENCE

#### Full Stack | Mobile App Developer, EMG Consulting

04/2025 – Present

Addis Ababa

Tech Stack | Tools: Next.js, React Native, Laravel, Node.js, JavaScript, Selenium, Appium, Playwright, Cucumber, Gherkin, JMeter, Postman, Sauce Labs, BrowserStack  
Designing and developing scalable frontend applications with Next.js and React Native, delivering seamless web and mobile experiences.

- Building and maintaining backend services and APIs using Laravel and Node.js, ensuring secure, modular, and high-performing architectures.
- Developing and integrating RESTful APIs across multiple standalone services to enable interoperability within large-scale ecosystems.
- Implementing CI/CD pipelines, managing deployments, and optimizing performance for cross-platform applications.
- Writing unit, integration, and end-to-end tests to ensure system stability and maintainability.
- Leveraging automation frameworks (Selenium, Appium, Playwright, Cucumber) to enhance reliability and streamline QA processes.
- Creating and maintaining BDD test scenarios with Gherkin to bridge communication between development and QA teams.
- Performing functional, regression, integration, and API testing to guarantee consistent and high-quality releases

#### QA Tester, Green Agro Solution | Lersha

11/2024 – Present

Addis Ababa, Ethiopia

Tech Stack | Tools: Selenium, Appium, Playwright, Cucumber with Gherkin, JMeter, Postman, Sauce Labs, BrowserStack

- Conducting performance testing to evaluate application responsiveness under various load scenarios using tools like Sauce Labs and BrowserStack.
- Using **Behavior-Driven Development (BDD)** with **Cucumber** and **Gherkin** to write clear, structured tests for functional and regression testing.
- Performing functional testing to ensure all features align with specified requirements.
- Ensuring UI consistency across devices and platforms by identifying and addressing visual and functional issues.
- Executing API testing using **Postman**, **Newman** and **Jmeter** to verify backend service performance, reliability, and security.
- Leveraging **Selenium**, **Appium**, and **Cucumber** with **Gherkin** for automated testing to enhance efficiency and accuracy in both regression and functional testing.
- Collaborating with cross-functional teams to resolve issues, contributing to high-quality product delivery.

#### Front end Developer & QA Tester, Binget Birr | Binget Groups

07/2024 – 12/2024

Addis Ababa, Ethiopia

Tech Stack: React Js | Next Js | React Native | Jest | Postman | Appium | Cucumber | Gherkin

- Contributed to the Wallet Birr fintech app development, creating a responsive UI with React Native for seamless iOS and Android user experiences.

- Developed the VIA Ride App, a custom ride-hailing solution with a focus on cross-platform functionality.
- Developed an admin panel using Next.js to facilitate efficient management and monitoring of app data and user interactions.
- Collaborated with the backend team to integrate REST APIs for real-time ride request updates.
- Conducted QA testing using Jest to identify and resolve issues, ensuring high code quality.
- Performed unit and integration testing with **Jest** to maintain code integrity.
- Applying **BDD** principles with **Cucumber** and **Gherkin** to create human-readable automated tests that validate system behavior in functional and regression scenarios.
- Participated in Agile methodologies and sprint planning to enhance product features continuously.

#### **Front end developer | QA Tester, Hybrid, Hance Technologies**

04/2024 – 11/2024

Tech Stack: React Js | Next Js | React Nativite | Rest API | Postman | Selenium | Playwright | Saucelabs | Cucumber

Addis Ababa, Ethiopia

- Collaborated in the development and implementation of a custom ERP system within a hybrid environment, focusing on quality assurance processes. Designed and executed comprehensive test cases, identified and reported critical bugs, and helped streamline operations across business enterprises. Contributed to enhancing system reliability and data processing speed by 0%, while improving user accessibility and overall system performance.

#### **Software Developer, QA Tester & Project Coordinator,**

09/2023 – 07/2024

*Game Changers Consulting PLC*

Addis Ababa, Ethiopia

Tech Stack | Tools: JavaScript, php, SQL, Jest, Jmeter, Selenium, Cucumber, Jira

- Led the project as both a Software Engineer and Project Coordinator on the Tracer Study System project for six federal TVET colleges, collaborating with the EU, GIZ, MOLS, and Game Changers Consulting PLC.
- Employed JIRA as a project management tool to track progress, manage tasks, and facilitate communication among team members.

#### **Full Stack Engineer| MERN | QA Tester, Fully Remote, Zitec (Remote)**

08/2021 – 09/2023

Tech Stack: React Js | Node.js | Express.js | MongoDB | Tailwind CSS | Playwright | Selenium | JMeter | Cucumber

Bucharest, Romania

- Contributed to Zitec, a leading tech company in Romania, in a remote environment, developing various custom systems with a focus on e-commerce platforms.

#### **Junior Developer & QA Tester, Zitec (Remote)**

12/2019 – 07/2021

Assisted in the development and quality assurance of web applications and custom e-commerce platforms, contributing to both frontend and backend tasks while executing manual and automated tests.

Bucharest, Romania

- Developed frontend components using React.js and supported backend development with Node.js
- Executed manual and automated test cases to ensure application quality and functionality
- Assisted in API integration and data management using MongoDB and related technologies
- Monitored application performance and reported bugs for timely resolution
- Gained experience in software development lifecycle, testing practices, and MERN stack technologies

## Intern / Learning, Zitec ( Remote)

10/2018 – 10/2019

Bucharest, Romania

Gained hands-on experience in web development and quality assurance, learning frontend and backend technologies, testing practices, and collaborative development workflows.

- Assisted in building frontend components with React.js and learned backend development with Node.js and Express.js
- Participated in manual testing and learned automated testing basics using Selenium and other QA tools
- Supported data management tasks using MongoDB and related technologies
- Collaborated with development teams to understand project workflows and software development lifecycle
- Developed foundational skills in MERN stack development, debugging, and problem-solving

## EDUCATION

### Bsc Degree in Software Enginnering, Bahir Dar University

10/2018 – 07/2023

CGPA 3.82

Bahir Dar, Ethiopia

Relevant Coursework

- Data Structure
- Algorithms Analysis
- Software Development Methodologies
- Software Testing Techniques and Metrics
- Software Architecture Design

## SKILLS | TECH STACKS | TOOLS

JavaScript • React Js • Next Js • React Native • MongoDB • Appium • Jest • Selenium • BDD • Cucumber • Gherkin • Postman • Newman • Sauce Labs • BrowserStack • JMeter • Playwright

## Certifications

**Project Management | Agile Project Management, Google Certified | Coursera**

07/2023 – 04/2024

**Software Testing | Performance Testing, Simplelearn**

03/2025

## PROJECTS

### Super-Eazy Super App,

04/2025 – Present

*React Native , Laravel , NextJs , Cucumber, Jmeter , Playwright*

An application having nine different standalone services. from ride hailing up to ecommerces )

### Lersha Platforms, Next Js, Selenium, Appium, Newman, Jmeter

11/2024 – Present

A platform that integrates multiple applications, including the Lersha App, Service Provider App, Data Collection App, OSS App and Access to Finance Admin Panels, implemented for various smallholder farmers to enhance their productivity.

### VIA Ride, React Native | Next Js

08/2024 – 12/2024

- Developed a ride-hailing app for Binget Group.

<b>BINGET Birr</b> , <i>React Native   Next Js   Selenium   Appium   Newman</i> <ul style="list-style-type: none"> <li>Developed a mobile e-money wallet for Binget Group, focusing on providing a seamless user experience and integrating real-time functionalities.</li> </ul>	07/2024 – 11/2024
<b>Custom ERP Solutions</b> , <i>React   Tailwind CSS   node Js   Selenium   Playwright</i> <ul style="list-style-type: none"> <li>Developed custom ERP solutions for Private enterprises, focusing on enhancing business operations.</li> </ul>	06/2024 – 11/2024
<b>Offline and Online Tracer Study Application</b> , <i>Php   JavaScript   SQL   Selenium</i> <ul style="list-style-type: none"> <li>Developed offline MS access and Web application for tracing graduates of six federal poly technic colleges.:</li> </ul> Client: GIZ, TVET Collages	02/2024 – 06/2024
<b>Customizable ecommerce Platform</b> , <i>MERN Stack</i> <ul style="list-style-type: none"> <li>Developed a SaaS e-commerce project targeting multiple companies, designed to enhance online retail capabilities and streamline operations.</li> </ul>	11/2022 – 07/2023
<b>Job Recruitment Portal</b> , <i>JavaScript, php, Bootstrap</i> Client: Amhara Media Corporation	06/2021 – 08/2021
<b>Offline and Online Chatting app</b> , <i>React   Node Js   MongoDB   Test Rail   Postman</i> Client: ICT directorate of AMC	05/2021 – 06/2021

## References

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