

COLLINS OMONDI

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Experienced software engineer with a passion for creating innovative systems that improve a company efficiency and effectiveness, ability to understand and test software, working knowledge of software development and a strong understanding of core internet technologies. Well-versed in technology and coding to design dependable and user friendly systems.

SKILLS

- Programming Languages: PHP, Python, JavaScript, C/C++
- Data-Interchange Format: JSON
- SQL Database Systems: MySQL, PostgreSQL
- Markup Languages: XML, HTML5
- Style Sheet Language: CSS
- Source Control Tools: Git, GitHub
- CI/CD Tools: Jenkins, Cypress
- Cloud Technologies: Azure, AWS
- Teamwork and collaboration skills
- SDLC/STLC
- Frameworks: Pytest, Django, Bootstrap, React.js
- Web Servers: Apache HTTPD
- API testing tool: Postman
- Automation tool: Selenium
- Agile Methodology
- Problem Solving
- Performance Testing Tool: JMeter
- Communication skills
- Project Management
- Presentation skills
- Research

PROJECTS

Integrated Ecommerce Web Application | <http://shepresident.great-site.net>

- Implemented a scalable architecture for the web application that could handle a growing number of users and transactions
- Implemented performance optimizations that led to a significant decrease in page load time and improved website speed, which resulted in a 50% decrease in bounce rate.

E-Procurement System | <http://mightyflex.great-site.net>

- Led a team of 3 developers in delivering a complex platform on time and under budget, resulting in a 20% increase in online sales and a customer satisfaction rating of 60%
- Optimized a database system that reduced query response time, resulting in faster and more accurate data processing for the web application

WORK EXPERIENCE

Safaricom PLC | *Software Development Engineer in Test (Internship)*

June 2022- Present

- Developed and implemented automated test scripts using Selenium (Web Driver) and Python to conduct end-to end testing, ensuring accuracy and efficiency.
- Contributed to the quality assurance team's successful setup of MPESA in the Ethiopian market by testing various MPESA Operation System (G2) products and ensuring adherence to quality standards
- Reduced manual work by 60% through the automation of build and deployment processes using Jenkins.
- Implemented and utilized various testing methodologies, including exploratory testing and risk-based testing, to ensure comprehensive coverage of system functionality and minimize defects in production
- Documented defects with precision, accuracy, and informative recreation steps utilizing internationally recognized tools such as Jira and HP ALM for bug tracking and reporting. .
- Increased test automation coverage by 20%, resulting in a 30% reduction in test execution time.

Skills: Test Automation, Selenium, Python, Jira, Jenkins, JMeter, BDD, Postman, Software Architecture, CI/CD, Git.

Safaricom PLC | *Software Tester (Internship)*

Feb 2022- May 2022

- Performed exploratory testing to identify defects and potential areas for improvement, logging an average of 3 high-priority defects per week.
- Ensured high-quality software by promoting a collaborative process with the Scrum team to prioritize testing and quality control
- Work with project managers to prioritize testing activities and ensure test coverage aligns with project timelines and goals, achieving an on-time delivery rate of at least 95%.
- Critiqued and assessed system requirements, specification, and technical design documents, delivering valuable and prompt feedback.
- Collaborated with developers to reproduce and verify fixes, with an average of 2 business days from receiving a fix to verifying it.
- Generated extensive reports on test results, identifying defects and issues encountered, and recommending strategies for improvement.

Impacts:

- Successfully modified numerous software applications that increased user-friendliness by 20%
- Drove strategy for migration from performance to GitHub, including branching, merging, and tagging
- Created website layout using standard HTML, CSS, JavaScript, and Bootstrap to develop seamless web experience.
- Designed and developed innovative modules and solutions as part of an agile development cycle, driving positive business outcomes and results.
- Integrated data from various back-end services and databases
- Cooperated with other web designers to match visual design intent

EDUCATION

- ALX-T Software Engineering, Udacity
- Fundamentals of software Testing, QATestLabs
- **Jomo Kenyatta University of Agriculture and Technology**
Bachelor of Business Information Technology | **Honors:** Second Class Honors (Upper Division) **June 2022**

CERTIFICATIONS

- Scrum Fundamentals Certified (SFC)
- Fundamentals of Software Testing
- Test Automation Foundation,
- Selenium Essential Training,
- CCNA: Switching Routing and wireless Essential
- API Penetration Testing,
- JMeter: Performance and Load Testing,
- ISTQB Certified Tester Foundation Level (ongoing).
- Leadership and Management Skills For Business - Managing Employees

OTHER SKILLS

Azure, AWS, Python, Django, React, Node.js, Git, SDLC, CI/CD, Postman, GitLab, Vercel, Cucumber, JMeter, Soap UI, SQL, NoSQL, Docker, Kubernetes, Microservices, CRM, Business Strategy, Collaboration, team work , Project Management, Research
INTERESTS: Football, Chess, article writing, Research, career development.

REFEREES

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