Martin Mbithi

Email: martinezmbithi@gmail.com
Tel: 0740847563 — 0737229776

Professional Profile

Experienced Software Engineer with over 6 years of expertise in Linux and Unix cloud architecture and administration. Skilled in developing resilient solutions using a wide range of programming languages and frameworks. Committed to optimizing performance, security, and scalability of cloud environments.

Work Experience

Government of Makueni County — Software Engineer — 03/2023 – To date

- Designed and implemented scalable software solutions using JavaScript, HTML/CSS, PHP, Python, and Java, enhancing user experience and client satisfaction, contributing to a 15% increase in user satisfaction.

- Developed RESTful APIs for seamless software component communication, facilitating efficient data exchange and integration, which led to streamlined data workflows and improved application performance.

- Optimized databases using SQL and NoSQL technologies, leading to improved data retrieval efficiency, resulting in expedited query response times and enhanced system performance.

- Employed agile methodologies, ensuring timely feature delivery aligned with project goals, achieving a project delivery rate of 90% on time and within budget.

- Conducted meticulous testing and debugging, leveraging automated testing frameworks, which minimized product defects and ensured the delivery of high-quality code.

ICT Authority, Machakos County Headquarters — ICT Officer — 01/2022 – 02/2023

- Provided technical support, resolving hardware and software issues efficiently, maintaining a customer satisfaction rate of 95%.

- Implemented and maintained network infrastructure, ensuring optimal performance and achieving 99.9% system uptime.

- Conducted system audits and enforced cybersecurity measures to protect data integrity, reducing security incidents by 40%.

- Fostered collaboration with cross-functional teams to design and implement innovative technology solutions, enhancing organizational efficiency and productivity.

World Christian Fellowship NGO — Mobile Application Developer — 01/2021 – 11/2021

- Developed native iOS and Android applications using Swift and Java, improving user satisfaction by 30% and increasing app downloads by 15% within the first month of release.

- Integrated third-party APIs, including geolocation and social media sharing, enhancing app functionality and user engagement.

- Conducted rigorous testing across devices, ensuring compatibility and reducing loading times by 20%, resulting in optimized app performance.

- Submitted and managed applications on the Apple App Store and Google Play Store, ensuring compliance with platform guidelines and maintaining high app credibility.

Ukamba Bible College — Web Developer and ERP Support Officer — 01/2020 – 01/2021

- Collaborated with UI/UX designers to bring visually appealing designs to life, resulting in a 25% increase in website traffic.

- Optimized website performance by analyzing and improving page load times, resulting in a 15% decrease in bounce rate.

- Provided technical support for the ERP system, ensuring smooth operation and resolving user issues promptly, which contributed to accurate reporting and data analysis.

- Played a key role in system upgrades and migration projects, coordinating testing, data migration, and user training, enhancing process efficiency.

Ezana Group — Web Application Developer — 01/2020 – 07/2021

- Designed and developed responsive web applications using HTML, CSS, JavaScript, and modern frameworks, increasing user engagement by 20%.

- Implemented RESTful APIs to facilitate communication between front-end and back-end components, enabling dynamic content updates and interactive features.

- Conducted thorough testing and debugging, ensuring reliability and performance across different browsers and devices.

- Led a cross-functional team in the development of a new feature, resulting in a 30% increase in user retention within the first month of launch.

DevLan Solutions LTD — Software Engineer — 01/2018 – 01/2020

- Developed and maintained scalable software solutions using Java, Python, and C++, contributing to the migration of a monolithic application to a microservices architecture, improving scalability and enabling easier feature development.

- Implemented best practices in software engineering, including code reviews and unit testing, resulting in improved code quality and maintainability.

- Utilized agile methodologies to deliver features on time, aligning with project goals and customer needs.

- Mentored junior developers, fostering a culture of continuous improvement and knowledge sharing.

Lauh Print Company Machakos Branch — Graphic Designer — 01/2016 – 01/2018

- Created visually compelling graphics for branding and marketing using Adobe Creative Suite, consistently exceeding client expectations.

- Designed print materials such as brochures and posters, ensuring alignment with clients' brand guidelines.

- Worked closely with marketing teams to integrate visuals and text seamlessly, contributing to impactful marketing campaigns.

Key Performance Indicators (KPIs)

- **Project Delivery:** Successfully deliver 90% of software projects on time and within budget.

- **Code Quality:** Maintain a code quality score of 85% or higher based on internal code reviews.

- **System Uptime:** Ensure 99.9% uptime for managed systems and applications.

- **Customer Satisfaction:** Achieve a customer satisfaction rate of 95% or higher.

Education

DevOps Certification — Edureka — 2022

Bachelor of Science in Computer Science — St. Paul's University — 2017 - 2020 — First Class Honors

Cyber Security Essentials Certification — CISCO — 2019

Mobile Web Specialist Certification — Andela / GADS — 2018

Skills

- **Programming Languages:** PHP, Java, Python, JavaScript, Ruby, C, Bash, Swift, Kotlin

- **Frameworks:** Laravel, CodeIgniter, Spring Boot, Flask, Django, Vue.js, React.js

- **Database Management:** MySQL, Microsoft SQL Server, MongoDB, PostgreSQL, Redis

- **Cloud Architecture:** AWS, Google Cloud, Linux, Unix

- **Tools:** Git, Adobe XD, Figma, Docker, Jenkins

- **Soft Skills:** Problem-solving, critical thinking, teamwork, communication

Referees

Available on request