Hezron Rotich

Software Engineer

Contact Details.

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Languages.

English – Proficient

Kiswahili – Proficient

Kalenjin - Proficient

Personal Statement.

As a seasoned software engineer, I possess proficiency in frontend and backend development, coupled with advanced skills in system analysis and design. My commitment to crafting intuitive and interactive solutions is underscored by a track record of successful projects. I am enthusiastic about pushing technological boundaries, consistently delivering innovative, scalable solutions. Eager to contribute my skills to dynamic projects, I am dedicated to driving technological advancements and exceeding client expectations.

Work Experience.

- **Software Engineering Intern.**

  Grafame Tech, Luther Plaza, Nairobi

  Nov 2023 – Jan 2024.

Tasks and Achievements.

Open EMR Customization: Successfully customized Open EMR to align with user requirements, demonstrating adaptability and effective problem-solving skills.

E-commerce Website Analysis and Enhancement: Conducted a comprehensive analysis of Buto Group's e-commerce website, Identified areas for improvement in functionality and proposed strategic modifications to enhance the overall user experience, optimizing website performance.

Led the development of a customer-facing web application, resulting in a 30% increase in user engagement.

Developed and maintained RESTful APIs for multiple projects, ensuring data integrity and system security. Implemented best practices in MongoDB database management for efficient data storage and retrieval.

Software Design and Ideation Collaboration: Actively participated in the software design process, Contributed valuable insights during ideation sessions, in efforts to develop Grafame Tech Project management android app.

- **Computer Instructor and Website Content Manager**

  Kiango Junior Academy, Kisii, Kenya – May 2023 – July 2023.

  Responsibilities.

  ✓ **Computer Basics Training:** Conducted computer basics training sessions for learners.

  ✓ **School Portal Management:** Managed the school portal, enrolled new students into the system and conducted invoicing for student fees.

  ✓ **Receipt Production:** Produced receipts for students, ensuring accurate and organized financial records.

- **Industrial Based Learning.**

  Bomet University College, Bomet, Kenya – June 2022 – September 2022.

  Tasks.

  ✓ **Network Troubleshooting:** Proficiently conducted network troubleshooting across various departments, resolving issues promptly and ensuring seamless connectivity.

  ✓ **LAN Establishment:** Successfully spearheaded the establishment of new LAN networks for different departments, contributing to enhanced connectivity and communication.

  ✓ **Cybersecurity Awareness:** Played a key role in creating awareness on cybersecurity, fostering a culture of security consciousness within the organization.

  ✓ **Digital Presence Curator:** Effectively managed the institution's websites, ensuring a dynamic and engaging online presence.

  ✓ **Software Certificates Renewal:** Reliable Stewardship, entrusted with the responsibility of renewing organizational software certificates, showcasing reliability and attention to detail.

- **Member Software Engineering Club**

  Kisii University, Kisii, Kenya – September 20219 – April 2023.

  ✓ Active Project Participation
  ✓ Leadership in Team Projects
  ✓ Innovative Solutions Delivery
  ✓ Club Event Coordination
  ✓ Skill Enhancement Initiatives

Education.

- **Kisii University,**

  Kisii, Kenya.

  September 2019 – Dec 2023.

  Bachelor of Science in Software Engineering.

  Second Class Honours (Upper Division).

Skills.

- **Hard Skills.**
  - ✓ HTML, CSS and Bootstrap Framework.
  - ✓ Java Script, ES6 Features and React JS Library
  - ✓ Node JS and Express Framework
  - ✓ Responsive Web Design
  - ✓ Object Oriented Programming
  - ✓ Relational Databases (SQL) and Non-Relational Databases (NoSQL)

  - ✓ Git & GitHub Essentials.
  - ✓ System Analysis and Design
  - ✓ Microsoft Office - Word, Excel, PowerPoint Presentations.

- **Soft Skills.**
  - ✓ Communication - Effective verbal and written communication with a proven ability to convey complex technical concepts in a clear and understandable manner.
  - ✓ Listening - Active listener with the capacity to understand and address the needs and expectations of clients, team members, and stakeholders.
  - ✓ Team work - Strong collaboration skills, working seamlessly within cross-functional teams to achieve project goals.
  - ✓ Leadership - Proficient in leading and motivating teams to accomplish project objectives, fostering a collaborative and innovative work environment. Demonstrated ability to make informed decisions, take initiative, and provide guidance during challenging situations.

- **<u>Academic Excellence:</u>**

  ✓ Maintained a consistent record of academic excellence, achieving high grades and academic recognition throughout my education.

- **<u>Industrial-Based Learning Achievements:</u>**

  ✓ Successfully conducted network troubleshooting and established LAN networks during industrial-based learning at Bomet University College, showcasing problem-solving and infrastructure expansion skills.

- **<u>Club Engagement:</u>**

  ✓ Actively contributed to the Software Engineering Class Club from 2019 to 2023, showcasing leadership in various projects, organizing events, and participating in skill enhancement initiatives.

- **<u>Internship Success at Grafame Tech:</u>**

  ✓ Excelled as a software intern at Grafame Tech, customizing Open EMR, analyzing and proposing modifications to an e-commerce website, and actively contributing to the software design process.

- **<u>Cybersecurity Awareness Initiative:</u>**

  ✓ Played a key role in creating cybersecurity awareness during industrial-based learning, contributing to a culture of security within the organization.

- **<u>Software Certificate Renewal Responsibility:</u>**

  ✓ Entrusted with the responsibility of renewing organizational software certificates during industrial-based learning.

- **<u>Website Management at Bomet University College:</u>**

  ✓ Effectively managed the institution's websites, ensuring a dynamic and engaging online presence.

Referees.

- **Mr. Enock Kimutai,**

  IT Support,

  Bomet University College.

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- **Mr. James Gitongori**

  Lecturer, Computing Department

  Kisii University

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- **Mr. Joshua Okemwa**

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