

Frank Lembalemba  
House No. J3, Kapasa Makasa University  
Chinsali  
Mobile: 0976958373  
Email: franklembalemba3@gmail.com

15<sup>th</sup> September, 2024

Human Resources Department  
First Quantum Minerals Limited  
Kasanshi

Dear Sir/Madam,

**Subject: Application for Software Engineer Position**

I am writing to express my strong interest in the Software Engineer position at First Quantum Minerals Limited. Having recently completed my Bachelor of Computer Science at the Copperbelt University, along with practical experience as a freelance developer and tech assistant, I am eager to apply my skills and knowledge to contribute to your team.

During my studies, I gained extensive expertise in software development, Artificial Intelligence, and Network Technology. My academic background, coupled with real-world projects, has equipped me with the technical proficiency and problem-solving abilities required for success in a software engineering role.

Key qualifications that make me an ideal candidate for this position include:

- 1. Proficiency in Software Development:** I am skilled in programming languages such as Java, Python, JavaScript, and C#, with experience in developing mobile, web, and desktop applications. This technical foundation enables me to tackle diverse software engineering challenges effectively.
- 2. Full Stack Web Development Expertise:** I have successfully developed and deployed web applications, utilizing technologies like HTML, CSS, JavaScript, Node.js, PHP, and MongoDB. My experience in creating secure and scalable solutions, including e-commerce platforms and payment gateways, highlights my ability to deliver high-quality software solutions.
- 3. Technical Support and Infrastructure Management:** During my internship at Kapasa Makasa University, I gained valuable experience in IT operations, including computer maintenance, network

troubleshooting, and infrastructure support. This hands-on experience complements my software engineering skills and provides a well-rounded technical background.

**4. Innovative and Analytical Thinking:** A key project of mine, "Deep Learning Approach in Melanoma Stage Classification," demonstrates my ability to apply advanced technologies to solve real-world problems. This project, accepted into the African Conference on Information Systems and Technology (ACIST), underscores my innovative and analytical mindset.

**5. Adaptability and Lifelong Learning:** As a freelance developer, I have consistently adapted to new technologies and client needs, allowing me to deliver successful software solutions. My commitment to continuous learning ensures that I stay up to date with the latest trends and best practices in software development.

I am excited about the opportunity to join First Quantum Minerals Limited, a company known for its innovation and leadership in the mining industry. I am confident that my software development skills and passion for technology will make a positive contribution to your team.

Thank you for considering my application. I would welcome the opportunity to discuss how my skills and experience align with the Software Engineer position. I look forward to the possibility of contributing to the success of First Quantum Minerals Limited.

Sincerely,

Frank Lembalemba