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Eclipse Trading

To Whom it May Concern,

I am writing to express my enthusiastic interest in the Python Software Developer Intern position at Eclipse Trading. As a third-year student majoring in Business Computing & Data Analytics at Hong Kong Baptist University, I have developed a robust foundation in both software development and finance, and I am eager to leverage these skills within Eclipse Trading's dynamic environment. Your commitment to innovation and leadership in the financial services industry is particularly inspiring, and I am drawn to your dedication to using technology to drive financial solutions. The opportunity to work with your extensive resources and industry expertise aligns perfectly with my passion.

My recent experience as a Software Engineer Intern at Wizpresso has been pivotal in enhancing my understanding of software engineering and its application in financial technology. Over the summer, I was responsible for refactoring the user management portal, where I developed 15 new features and optimized 10 existing ones to improve portal speed and user engagement. This role underscored the critical importance of delivering fast, reliable, and intuitive software in financial services, where every millisecond can impact trading and user satisfaction. Additionally, I refactored the user management system to enhance efficiency and scalability, skills that are crucial for handling large datasets and complex transactions in a tech-driven institution like Eclipse Trading. Working directly with sensitive financial data from various companies, I routed APIs to dynamically display data to applications addressing stringent requirements around security, reliability and responsiveness within regulated financial markets, enabling our data science team to manage information accurately.

At Admazes, I had the opportunity to contribute significantly as a Software Engineer Intern. During my tenure, I worked on developing and enhancing a Local Large Language Model using LangChain. This project allowed me to improve the model's response accuracy by 25% through better semantic understanding and advanced search capabilities. Additionally, I analyzed datasets using BigQuery, optimizing data retrieval efficiency by 30%. By crafting and executing over 100 complex SQL queries, I was able to generate actionable insights that led to a 20% boost in operational efficiency. This experience reinforced the importance of precise and efficient data processing—skills that are vital in the financial services world. The Python Software Developer Intern position aligns perfectly with my aspiration to merge technology with finance. The prospect of collaborating with passionate individuals from diverse backgrounds, including fellow financial services enthusiasts and experts from Eclipse Trading, is incredibly motivating. I am excited about the chance to exchange ideas and skills and contribute to projects that can create a lasting positive impact. I am confident that my technical skills, combined with my enthusiasm for innovation and teamwork, make me a strong candidate for the Python Software Developer Intern position.

Thank you for considering my application. I look forward to the possibility of contributing to Eclipse Trading and making a meaningful difference through technology.

Best regards,



Juan Felix Pangestu