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March 28, 2024

Ms. Tanya Harrietha,
COO,
Glas Ocean Electric,
1209 Marginal Road, Halifax
NS, B3H 4P8, Canada

Re: Application for Junior Programmer

Dear Hiring Manager,

I am writing to express my enthusiasm for the **Junior Programmer position at Glas Ocean Electric**. With a Master of Applied Computer Science from Dalhousie University and extensive hands-on experience in both software development and web technologies, I am excited about the opportunity to contribute to your innovative projects in the energy and marine environment.

During my tenure as a Software Development Engineer at JPMorgan Chase & Co. and a Web Developer at the Institute of Plasma Research, I have cultivated a robust skill set that aligns with the demands of the Junior Programmer role. My experience ranges from developing enterprise-level applications using Java and the Spring framework to creating dynamic, user-centric web applications with seamless API integrations. These roles honed my ability to work on software/hardware integration projects, a key aspect of your job description.

I have demonstrated proficiency in various programming languages, including **Java, Python, JavaScript, HTML5, CSS, and C/C++,** with a **basic knowledge of Qt5**, making me well-equipped to tackle the diverse technical challenges at Glas Ocean Electric. My work has frequently involved interfacing with real-time databases and developing live data dashboards, directly relevant to your requirements.

Furthermore, my graduate projects, such as the development of a serverless multi-cloud online trivia game and an automated podcast transcription application, showcase my competency in cloud technologies and my innovative approach to problem-solving. These projects not only required a deep understanding of AWS and Azure but also a commitment to leveraging technology for efficient, scalable solutions.

I am captivated by the unique mix of fieldwork, research, and software development in the marine energy sector at **Glas Ocean Electric**. Eager to merge my web development, data analytics, and software/hardware integration expertise with your innovative projects, I look forward to potentially discussing how I can contribute to advancing marine propulsion technologies. Thank you for considering my application.

Sincerely,

Jay Rana