

Dear Hiring Manager,

This letter is to express my interest in the posting from Baskar Muthusamy for a Software Developer position. With a Diploma of Data Science and hundreds of hours working in varying team environments utilizing python, data structures and algorithms to fulfil clients' needs, I am confident I will be an asset to your organization. In addition I have a burgeoning and rapidly developing understanding of C++, and am willing to learn any other language requested, as well as relocate.

I have a strong attention to detail, am very flexible, and enjoy being challenged and engaging with projects that require me to work out of my comfort and knowledge set, as continuing to learn new languages and development techniques are important to me.


Your listed requirements closely match my background and skills. A few I would like to highlight that would enable me to contribute to your bottom line are:

- + Through the Big Science project where we developed the world's largest open-source language model, I was continuously tasked with new challenges both as an individual and team member, that required very adept understanding of python and many pythonic libraries.
- + With the Reality Chatbot I had to use very accurate understanding of the algorithms used in deep learning to create a custom built transformer model that could function similarly to OpenAI's GPT-2 (large), and be effectively trained on a new corpus in under a week.
- + In the machine learning for freshwater management project that I am currently involved in, we are tasked with creating our own Kalman Filters that do not require any assumed error (similar to KalmanNet). This has necessitated a very deep understanding of matrix multiplication in regards to satellite altimetry, and how this will interact with a recurrent neural network.
- + Hands on troubleshooting experience in all of my projects.
- + My initial purpose for learning C++ was to create Unreal based apps that combine highly addictive fun with learning how to code, for iOS and Android.

I've attached a copy of my resume that details my projects and experience in software development. I can be reached anytime at [passmore.talmon.jesse@protonmail.com](mailto:passmore.talmon.jesse@protonmail.com), or at 226-700-4434.

Thank you for your time and consideration. I look forward to speaking with you about this opportunity.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jesse Talmon Passmore', with a stylized, flowing script.

Jesse Talmon Passmore