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Dear AMG-Petronas Application Team,

I'm writing this cover letter to apply to the position for Performance Tool Engineer in your team. Your position, in a high profile environment, looks very interesting to me and I feel to fit perfectly in this role. My entire education so far has been focused on science, starting from a scientific high school to my MSc and current PhD in high energy physics, leading to very competitive and high standard working experience.

Leaving abroad since 2016 made me very confident in an international community, improving my communication and networking skills. Moreover working at the European Nuclear Research Center (CERN) gave me the opportunity to work in many different topics, connecting different groups common projects realisation. Being a high energy physicist in hadronic colliders data analysis brings to aim for optimal research, and in my case, coding the best in terms of performance and user friendliness, trying to investigate and understand all the possible bugs and optimisation chances. Of course it has aimed to a final physics measurement, performed by using the most modern data analysis techniques. In the meantime being involved in hardware projects, e.g. the monitoring of one of the most important sub-detector of the ATLAS experiment, gave me the measure of the implementation and complexity of hardware data acquisition systems.

My experience in coding and collaborating with groups can bring a new approach to problems, not from an engineering point of view, but from a high profile researcher who has experienced several straight on the edge analysis and statistical techniques. The need I had in problem-solving, led me to have no difficulties in learning from the scratch and challenge myself every time with new goals. The motivation that only an ultra-competitive group such as yours can give is my only need to perform at best and stimulate the other components of the group.

I would like to ask you to consider my application for Performance Tool Engineer and give me the chance to show my motivation and skills in a dedicated interview.

Sincerely,

Paolo Sabatini