

**Martin Tourneboeuf**

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**Canonical**

*2nd Floor Clarendon House*

*Victoria Street*

*Douglas IM1 2LN, UK*

In Santiago, the April 5, 2023

**Re: Application for the Kernel Engineer position**

Dear Canonical Hiring Manager,

The Kernel Engineer position has caught all my attention.

Working in Canonical would give me the opportunity to contribute efficiently to the software community, a discipline that has fascinated me for years. More specifically, I would be honoured to professionally participate in the development of the Linux kernel development. In addition, testing, benchmarking and documenting subsystems and drivers is a great way to improve my skills alongside with these exciting technologies, so it would keep me engaged in my duties.

A dual education in engineering (École Polytechnique of France) and astrophysics (Universidad Católica of Chile) provides me with the necessary knowledge to work in the high technological environment present at Canonical. The integration and testing of the ALMA control system taught me how to write and test clean code, which is essential for large scale resilient systems which must be able to work properly on many different devices. From a software development perspective, both my experience in low level security enforcement for the French Army (Python, Cpp, Asm) and in operational software integration for the ALMA Observatory (Bash, Python, Java, Cpp) suggest that I can bring added value to kernel software development.

I would welcome the opportunity to discuss the position further and how my methodology, nourished by my previous experience, will be useful.

Sincerely,

**Martin Tourneboeuf**