Cover Letter

Dear Etteplan hiring team,

I am excited about the Etteplan Data Scientist position. My service-mindedness as well as quantitative Ph.D. research and data analytic engineering experience match your need for a professional who can develop sophisticated predictive models and integrate advanced AI methodologies into business processes. I want to use my experience analysing complex datasets using various machine learning models to help Etteplan's stakeholders make data-driven decisions.

My CV highlights hands-on experience with key duties. Modern data manipulation is my speciality; I led a Pandas-to-Polars migration project and optimised SQL queries to improve response times. My advanced modelling experience includes machine learning and econometric analysis for quantitative research, agent-based modelling (ABM) for simulations, and retrieval-augmented generation (RAG) systems for generative AI. These projects show my ability to build, test, and maintain robust data solutions beyond academic theory, which is useful for building, monitoring, and retraining machine learning models for anomaly detection.

I have the soft skills to make an impact beyond technical expertise. Problem-solving has been my job, from fixing startup technical debt to building complex spatial data pipelines. This experience has improved problem-solving and the ability to clearly communicate complex findings to stakeholders. I believe my hands-on experience and dedication to machine learning make me the best candidate for this position. I appreciate your time and look forward to discussing how my expertise can help Etteplan.

Sincerely yours,

Foolish Babak Firoozi