Today, data quality plays a vital role in strategic planning and corporate decision-making processes. The ability to predict the duration of tasks related to data processing and analysis is crucial for efficient use of resources and optimization of work processes. The goal of this work is to extend the functionality of *Ataccama ONE*, a data management platform of *Ataccama*, with a new microservice that allows predicting the duration of data profiling jobs. Our solution involves identifying the key data characteristics that affect the duration of these jobs and using these insights to prototype a machine learning model to predict job durations. An important part of the solution is also to detect and process newly executed jobs in the platform in real-time and prepare the microservices for future integration into the platform. Emphasis is then placed on the quality of the implementation and the extensibility of the solution to predict other types of jobs.