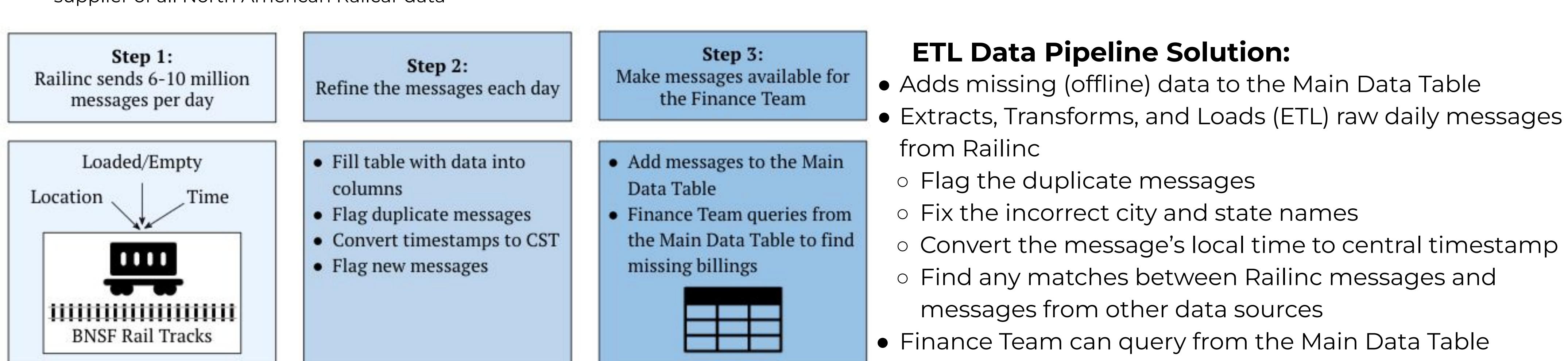


Big Data Backbone for Advanced Analytics MDP Team Members: Ann Stone, Celina Pan, Neil Kim, Ken Mahattanadul (Honors Capstone), Conan Wu

Project Overview:

- Finance Team uses railcar data to find missing billings

- ** supplier of all North American Railcar data



Results

- Initially, the Finance team wanted at least <u>20%</u> of the messages that we pipelined into the main data table each day to be new messages
- However, roughly <u>75%</u> of the messages we are pipelining in to the main data table are new messages
- Each day, we provide the finance team with about 5.5 million new messages that can help them find missing billings

Engineering Honors Capstone Project MDP Industry-Sponsored (Union Pacific)

Advisor: Prof. William Arthur

• Main Problem: Union Pacific's Finance Team needs data not available in their Main Data Table • Missing data from railcars when on other railroad company's tracks • Forces manual searching through Railinc** for missing data

Outcome: Exceeded Finance Team's Requirement of 20% New Messages Everyday

