Fine-tuning LLMs
with trade domain data
using Backend.AI FastTrack 3

Developing a trade code recommendation
that reduces human-in-the-loop

lablup   team
reboot

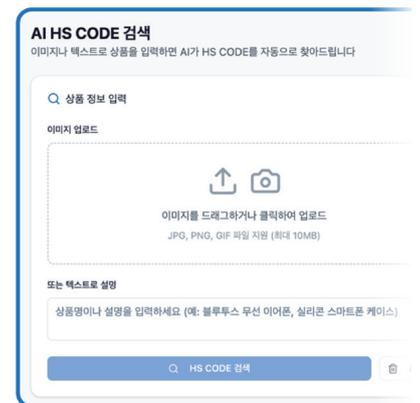# Fine-tune LLMs with domain data using Backend.AI FastTrack 3

"askyour.trade 2.0 is an intelligent trade workspace where AI understands and makes autonomous decisions on documents. teamreboott, in collaboration with Lablup, is accelerating the digital transformation in trade operations."
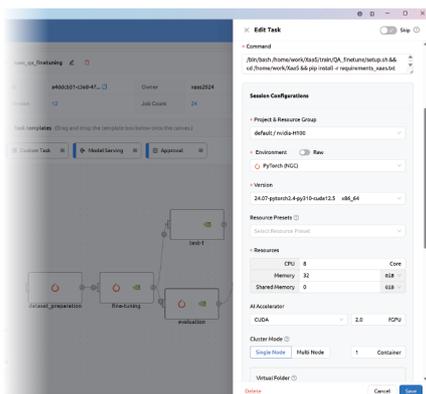
teamreboott
CEO
Sungchul Choi

teamreboott is a South Korea-based AI startup founded in 2023 that specializes in automating repetitive, non-standardized business processes through proprietary AI technology. The company develops two flagship products: askyour.trade for trade document automation and askyour.work for office workflow automation. By leveraging its proprietary AI engine (RB-GEN keyinsight), teamreboott eliminates time-consuming manual tasks such as quotation preparation, purchase order creation, and shipping documentation, enabling professionals to focus on high-value activities. The company secured $800K in seed funding in 2024 and is scaling its AI-powered solutions to help businesses achieve true operational autonomy.

Developing a trade code recommendation that reduces human-in-the-loop

teamreboott recognized that assigning optimal HS Codes is still a labor-intensive process requiring significant expert input, particularly due to the complexities and ambiguities in product descriptions and global regulations. To overcome these challenges, the team aimed to develop a large language model trained on relevant domain knowledge, capable of delivering accurate classifications automatically. However, efficiently training such a specialized LLM required new strategies for leveraging expert data and regulatory resources, motivating a focused effort in designing an effective training approach.

AI HS CODE search feature of askyour.trade 2.0

Accelerated LLM training with Backend.AI

Efficient training of such a specialized LLM requires high-performance AI accelerator infrastructure for data learning and solutions capable of handling extensive background data related to trade and regulations. Teamreboott leveraged Lablup's reliable Backend.AI Cloud infrastructure and NVIDIA H100 AI accelerators to fine-tune a large language model optimized for the trade using Backend.AI FastTrack 3. By integrating data preparation, fine-tuning, and evaluation into a single pipeline, they reduced the time for model development without compromise.