If you need custom mappers this is the library to pick from. Mapstruct generates all the mappers from the definition. And definitions are open for extension or customization.

***What’s helpful about mapstruct?*** Mapping nested structures. You can also map nested proto messages to POJOs. Or you can inherit an inverse configuration and write only one side of the mapping.

Here’s an example of mapping proto messages to POJOs. TargetDTO is the POJO and the SourceDto is proto message.

You can also customize how to generate the mappers with mapstruct. For example, for proto messages, you can use additive operations with a simple configuration.

And you’ll get the following code.

if ( dto.getSecondLevelDTOList() != null ) {   
 for ( SecondLevelDTO secondLevelDTOList : dto.getSecondLevelDTOList() ) {   
 firstLevelDto.addDto( secondLevelProtoMapper.map( secondLevelDTOList ) );   
 }   
}