



## Emma Sleep GmbH - Coding Assessment

# Bulk Import/Export API Coding Challenge

Design and implement endpoints to import and export articles, comments, and users in JSON/NDJSON formats. The solution should handle large datasets efficiently, perform robust validation, and provide clear error handling.

This coding assessment should not take more than 3-5 hours to complete. Any AI tool like Claude, ChatGPT, Cursor etc can be used. Once the repo link is submitted, we will review it and invite you for the code review + system design interview round, where we will dig into the details of your submitted code.

### What We're Looking For

- Efficient handling of large datasets.
- Robust validation with detailed error reporting.
- Clear error messages, structured logs, and meaningful metrics.

### Key Expectations

- Handle up to 1M records using streaming or asynchronous jobs.
- Validate every record while continuing processing on error.
- Produce structured logs, metrics, and downloadable validation error reports.
- Maintain good code organization and clear documentation.

### Test Data & Technical Appendix

Download the required test input files and additional technical details from the secure link below:

**Link:** [Assignment Appendix](#)

**Password:** rWIOP44MGc41

Once your code is ready, upload the code on your GitHub (kindly make the repository public so we can access it) and submit the link in the [form](#). You can also use the same [form](#) for any follow-up questions.