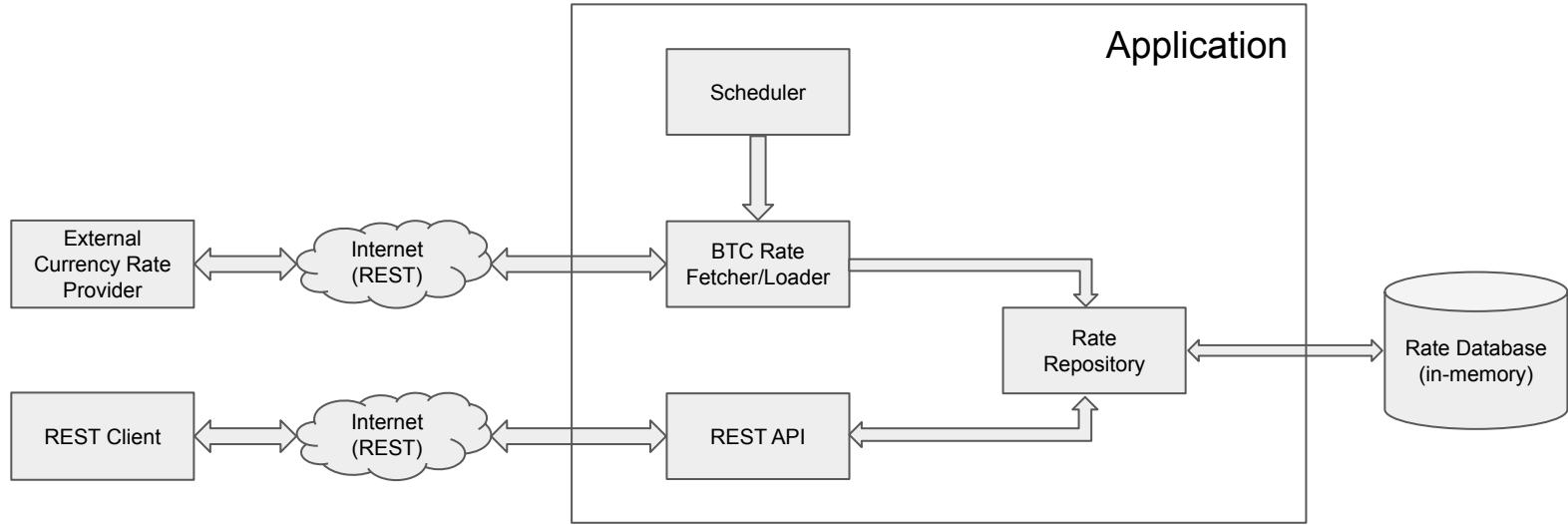


Architecture



Conversion to Production ready application

Following changes will be needed to convert demo application into production ready application.

- Replace “in-memory” database with actual persistent database
- Configure application properties as per production requirement
 - e.g. check rate frequency
- Convert monolithic architecture into micro-service based application
 - e.g. separate services for requesting rates, REST API, DAO layer, use of persistent Queues to retain received rates till they are stored in database
- Secured REST API endpoints
- Use of Caching to reduce database querying
 - e.g. most recent rate can be cached
- Application must be scalable as per load requirements
- Betterment of exception handling
 - e.g. using validators, exception management, custom error messages
- Improving code quality by implementing suggestions mentioned in “TODO” comments
- Good documentation :)