



Backend Engineer - Technical Test

Objectives

- Provide an IP Based Geolocation Service
 - HTTP Service running within a docker container.
 - Accepts calls from outside the container using tools like curl, postman...
- Use any programming language you like
 - Use of 3rd Party library is allowed and encouraged

The service

- Expose following API Routes
 - GET caller IP geolocation
 - API call to return the IP of the caller and geolocalize it
 - POST Batch of IPs
 - API call to post a list of IP addresses and get the geolocation for all of those IPs
- Serialize responses using JSON Format and standard HTTP Status Code
- Use the Free MaxMind GeoLite2 Country Database
 - <https://dev.maxmind.com/geoip/geoip2/geolite2/>
 - Tar.gz: <http://geolite.maxmind.com/download/geoip/database/GeoLite2-Country.tar.gz>
 - Library available in various languages
 - https://dev.maxmind.com/geoip/geoip2/downloadable/#MaxMind_APIs
 - Using a static version of the database is completely fine.

Deliverables

- Full Source code
- Any documentation you find relevant
- You can deliver the code in any way you want assuming you provide instructions to build & run the docker container locally on a Linux machine with docker installed and direct access to the source code.

Evaluation

- Code Quality, Readability & Maintainability
- Use of standard practices