Client (Front end)

Post- /submitCode
202 - {submissionId}
Get- result/{submissionId}
Submission result

Rest API

Web server

Elastic Beanstalk Web Env

Msg (submission id)

Submission queue

Msg (submission id)

Post : /

Code executor

SQS Daemon process

Worker instances

Elastic Beanstalk Worker env

submitted code

result file

S3 - Submissions/, Results/, Problemsdata/

PostgreSQL

Store submission details

Store submission result

RDS

Code Execution System