

# Fullstack Developer – Practical Test

## General Scope:

- Step 1: Create a REST API for data CRUD using **nodeJS + mongoDB** with **express** framework, create the unit test using **mocha/ chai**.
- Step 2: Create the web UI, you can choose one of these frontend frameworks: **ReactJS, Angular, or Vue**

## Details:

### Create a Blog web app.

1. Create a REST API as backend service either in your local machine /AWS/ VPS/ GCP. Using cloud platform to deploy would be a huge plus (AWS Lambda + API gateway or GCP). Use NodeJS + express, and MongoDB.

Create below APIs:

- Login/ registration to the blog app
- Create/ Update/ Delete a blog entry
- Display list of blogs (title with some chunks of the content)
- Display a blog
- Comment and like, dislike on a blog
- Display counter on each blog (like “this article is viewed 103 times”)
- Display and edit the blogger’s profile (photo, bio, etc.)
- .... Etc. (you may add other API calls that you might require based on your creativity)

Notes:

- **Enable API call security aspects, e.g. JWT / OAuth / etc.**
- **Create Unit Tests (try using mocha/ chai)**

2. Now build the UI (use React/ Angular/ Vue, whichever you find it comfortable). Use your imagination to build the UI as long as it is a blog site.

Once you finished, commit your changes to a git repository (GitHub, bitbucket, etc.) and invite [sandy@quadrant.io](mailto:sandy@quadrant.io) and [barkha@quadrant.io](mailto:barkha@quadrant.io) to review the codes. **Please include a document in pdf/ docx/ doc containing screenshot of the webpages and DB content that you made for our quick check.**

**Optional:** You can expand the above basic functionality with more fancy or other useful feature based on your creativity.

## Grading criteria:

- Clean code, modularity, best coding practices, security