NodeJS+AWS

PORTFOLIO NodeJS WEB APP

v 1.0 Jun 2020

DESCRIPTION
Build a simple portfolio NodeJS based web app that displays the profile image, name, some text with the experience, and a 5 tweet list of the user's Twitter timeline.

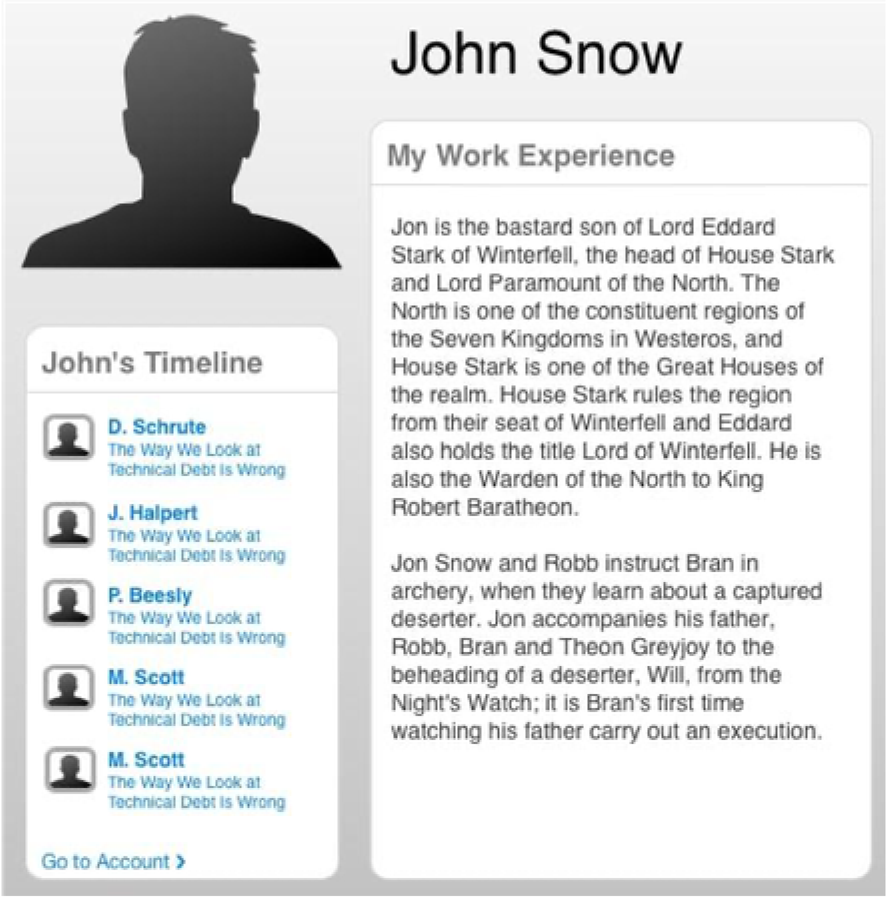
The second part should be a very simple API with 2 endpoints of the profile content.

PART I

Build a simple portfolio page with the user info, image, title, text description, and a list of 5 tweets of the user timeline. Do not pay much attention to the UI/ design side of things. The focus of the test should be the back-end side of things.

All information must be pulled from the database detailed below in the resources section. Use the Twitter API for pulling the user tweets. Feel free to use any library or module to make the connection.

The following image is a proposed design but the developer is free to choose any design or layout he/she desires.



John Snow

My Work Experience

Jon is the bastard son of Lord Eddard Stark of Winterfell, the head of House Stark and Lord Paramount of the North. The North is one of the constituent regions of the Seven Kingdoms in Westeros, and House Stark is one of the Great Houses of the realm. House Stark rules the region from their seat of Winterfell and Eddard also holds the title Lord of Winterfell. He is also the Warden of the North to King Robert Baratheon.

Jon Snow and Robb instruct Bran in archery, when they learn about a captured deserter. Jon accompanies his father, Robb, Bran and Theon Greyjoy to the beheading of a deserter, Will, from the Night's Watch; it is Bran's first time watching his father carry out an execution.

John's Timeline

D. Schrute
The Way We Look at Technical Debt Is Wrong

J. Halpert
The Way We Look at Technical Debt Is Wrong

P. Beesly
The Way We Look at Technical Debt Is Wrong

M. Scott
The Way We Look at Technical Debt Is Wrong

M. Scott
The Way We Look at Technical Debt Is Wrong

All information must be pulled from the database (instructions to create the DB detailed below in the resources section). Use the Twitter API for pulling the user tweets:

https://developer.twitter.com/en/docs/tweets/timelines/api-reference/get-statuses-user_timeline

PART II

Relying on AWS services, create a very simple REST API with two endpoints that allows the consumer to get and modify the profile information. Make sure it complies with the REST specification.

TERMS

- The data access should be developed using DynamoDB (preferred) or any other No-SQL database.
- Feel free to choose the NodeJS frameworks and/or libraries of your preference to develop both parts of the test and its features (API, data access, views, Twitter integration, etc). but use a serverless architecture and AWS as possible.
- Include some sort of unit tests (e.g. E2E, integration, etc)
- Be aware of DB data. The provided DB user has full grants, feel free to insert new registries but take care when updating or deleting the existing data.
- **Important:** The provided MySQL database is just a **reference.** You need to create your own version in a No-SQL database under AWS as mentioned previously.

DELIVERABLES

- Complete source code in a public repository on Github or Bitbucket.
- Readme file with **Detailed** steps to get the application up and running: software prerequisites, steps to build the app, technologies used, etc, as well as the total time (in hours) it took you to complete the test.

RESOURCES

Database MySQL 5.6:

```
Server: zemoga-test-db.crhpedy9xxto.us-east-1.rds.amazonaws.com
Port: 3306
User: zemoga_test_db
Password: Zem0ga.101
Table: portfolio
```

Twitter API:

In order to have access to Twitter's API, you need to create a developer account and get the keys and tokens. If you don't have or don't want to create one, feel free to use these:

```
API key: KRy7l0v8wex3w8Sy5zThai3Ea
API secret key: X2eBm0Y21kYEuR74W3Frqc2JVIizOj8Q1EVGatDsEVVEJo0ucu
Access token: 1220032047516921859-otvXjhExyUTZ5GLxssc9h5ORqtPZja
Access token secret: tmJKqM4ORfQW6CH7wIVV8uKNpmSEmeFAP8lYwGb19uYjj
```

We really appreciate your time in completing this test. Feel free to contact us if you have any questions/comments.