M Gmail   **Pete Heirendt <pete.heirendt@gmail.com>**

Profile Items - Bright.md: Senior Software Engineer

Conor <cryan@nauwork.com>   Thu, Apr 2, 2020 at 8:32 AM
To: Pete Heirendt <pete.heirendt@gmail.com>

Hi Pete,

Congratulations on a great first impression with the team at Bright! They have passed along the coding exercise which I have listed out below. Please let me know if you have any questions that I can clarify for you. You can submit your code via GitHub or attach a zip file. Please include any notes that you want to pass along to explain the decisions you made.

Create a microservice with the following:

- A User rest Resource that allows clients to create, read, update, delete a user or a list of users.
- You can use a database of your choice but it's also fine to just use a map or dictionary in memory to keep track of users by their ids.
- Use structured logging.
- Add Metrics (e.g. statsd, dropwizard, prometheus, to time routes)
- Write unit tests for the service.
- Generate a code coverage report.
- The user JSON can just be id, first name, last name, zip code, and email address.

Please use Python for this exercise.

Conor Ryan • 503-388-9517

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