

Devops Engineer Interview Agenda

- Presentation of Take-Home Challenge Solution (30 mins) (CANDIDATE)
 - Hello World Application
- Interview with Christopher Miller, Group Director of Systems (20 mins)
- Interview with Thomas Cocuzza, Managing Director of Technology (20 mins)
- Closing Conversation (15 mins)

Take Home Challenge to be completed by Candidate

For the challenge we would like for you to develop a "Hello World" RESTful Endpoint and deploy it to a Kubernetes cluster utilizing Docker containers.

Requirements

- Assuming the server domain is `localhost` on port `8080`, a user should be able to make a HTTP GET as follows:

```
Endpoint = https://localhost:8080/hello
```

```
Response = {message: "hello world"}
```

- You may use any server technology of your choosing (jetty, Node/express, etc.)
- Include an architecture Diagram of your solution.

Considerations

- Be prepared to provide details on each component of the app.
- Take into account any production-level concerns (e.g., logging, security, reliability, testing, etc.)
- Ideally, we want you to deploy to an AWS test account; however, a local machine implementation is acceptable
- BONUS POINTS: Enhance your deployment utilizing Terraform

Delivery

You can send the URL to your git repository. This must be a public repository that we can access during the presentation. We will expect you to present your solution via screen share/casting. You may use slides, notes, or any other tools during your presentation. Please let us know if any accommodations are needed. We're interested in your thoroughness, architectural skills, and ability to communicate effectively.

Thank you and good luck!