M Gmail   **Kiran Rakh <kiranrakh155@gmail.com>**

Machine Test - Devops
1 message

Mansi Pawar <mansipawar@nimapinfotech.com>   Fri, Jan 3, 2025 at 5:06 PM
To: Kiran Rakh <kiranrakh155@gmail.com>

Hello Kiran,

Please find a machine test down below:

We have created a simple FastAPI application that needs to be dockerized. The application has the following endpoints:

Repository: https://github.com/RohitPatil18/docker-fastapi-test

You can try running APIs on /docs URL

Method	Endpoint	Description
GET	/	Returns a hello message
GET	/users	Returns list of users stored in JSON file
POST	/users	Accepts and stores user data in JSON file

We should be able to run an application using a docker-compose file. Please note that we are not using a database instead storing data in a *users.json* file in the *data* directory which will get automatically created if not present.

Once the application runs successfully, make sure to destroy containers and recreate another one and check if previous data is still present.

Create a Jenkins pipeline to deploy this application on a server.

configure Prometheus & Grafana to monitor the application.

--
Thanks & Regards
Mansi Pawar
Senior HR Executive
Phone No - +91 7021629811
Email id - mansipawar@nimapinfotech.com

NIMAP INFOTECH
FOCUS TO REDEFINE

We as an organization who hire and help candidates to kickstart their IT career with guaranteed 50% year-on-year salary growth and opportunity to learn and work on cutting-edge technologies under strong technical experts from day 1 without being on the bench for months with no projects assigned by using "Nimap Talent Transformation System (NTTS)".