### Final project: CI/CD pipeline Spring Petclinic

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#### Let me to tell some facts about myself:

- I am 36
- I am from Ops: System Administrator / Support Engineer (Windows, GNU/Linux) 15+ years / Head of IT Department at Matrapac Ukraine.
- My goal is to upgrade my skills and start to work as System Engineer with EPAM.
- I like System Engineering and System thinking and believe that system practices make our world better place.

#### What is my motivation?

- This is my first CI/CD project, who teaches me, how it works.
- In process of creating of this project I get many knowledge (subjectively) in tools, what I used.

#### Relevance:

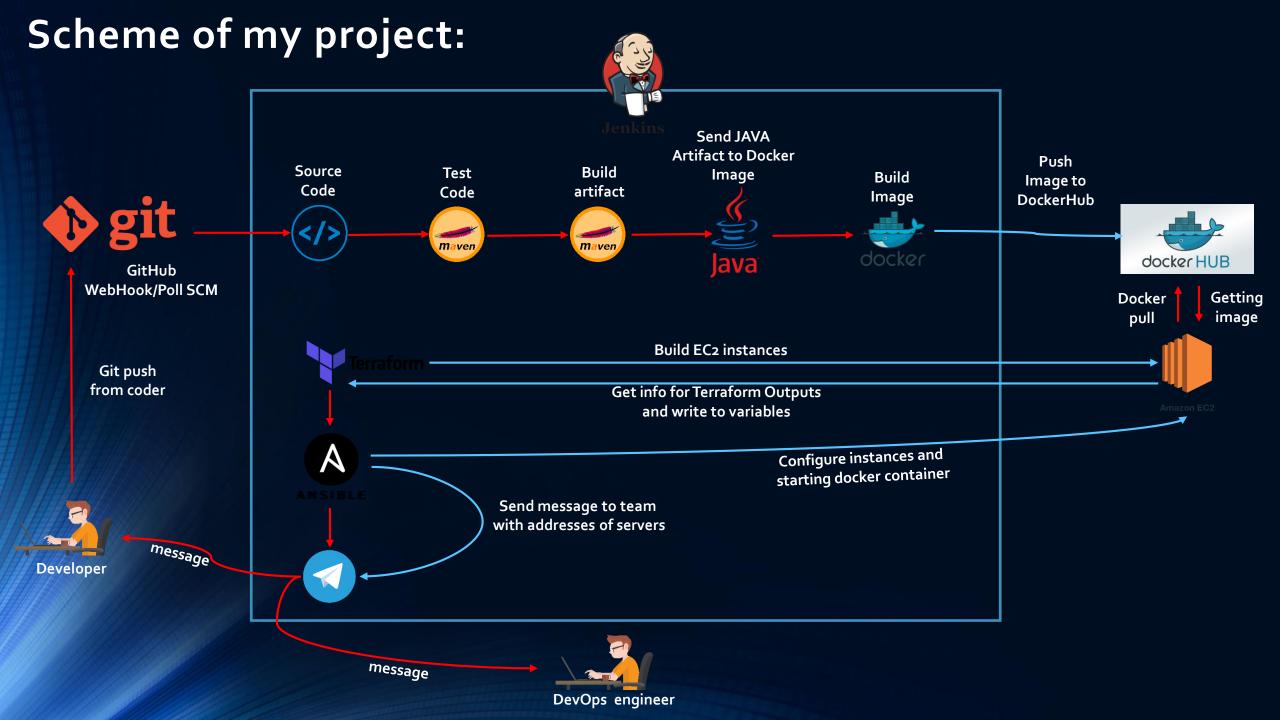
My method is relevant, because it allows in a short time and with the least effort on the part of a software developer to organize the assembly of the artifact from the source code and the delivery of the artifact to the testing and staging environment.

#### Goals:

- Automation
- Reducing the entry threshold
- Savings
- Security

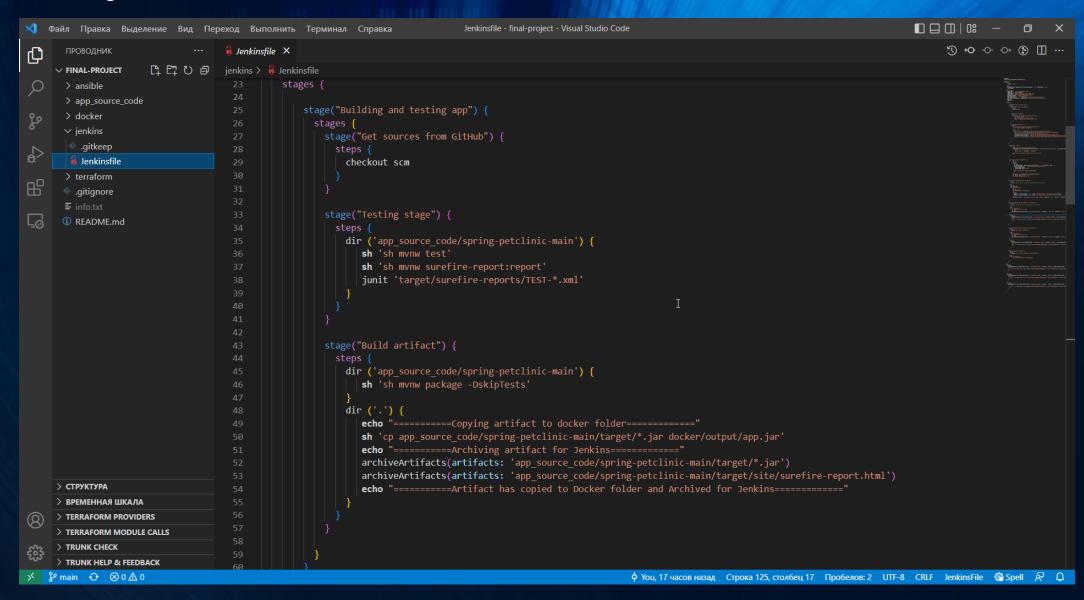
### Selected technology stack:

- GNU/Linux
- GitHub
- Jenkins
- Ansible
- Docker
- Terraform
- AWS
- Telegram

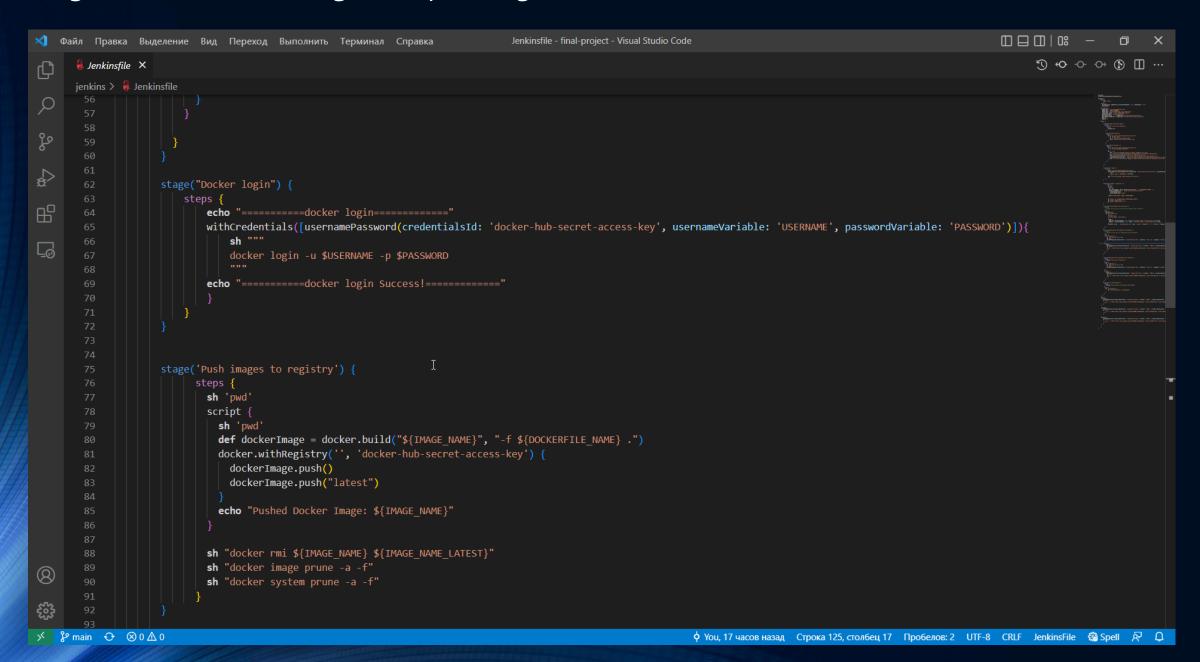


#### Realization:

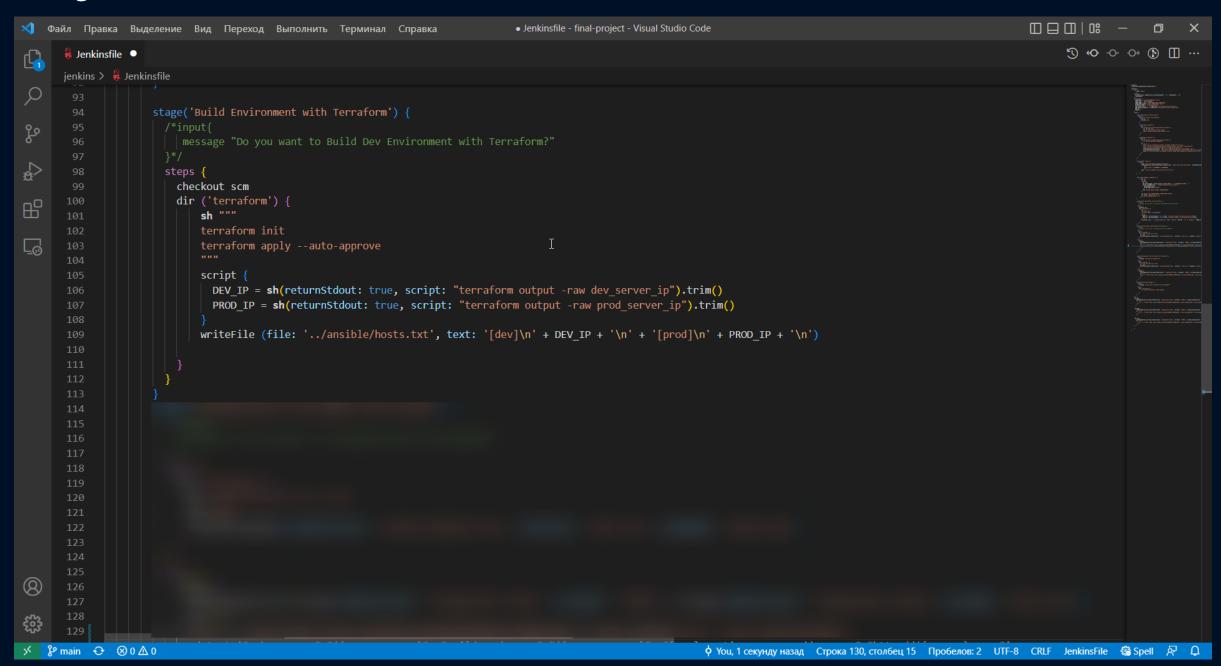
Testing and Building:



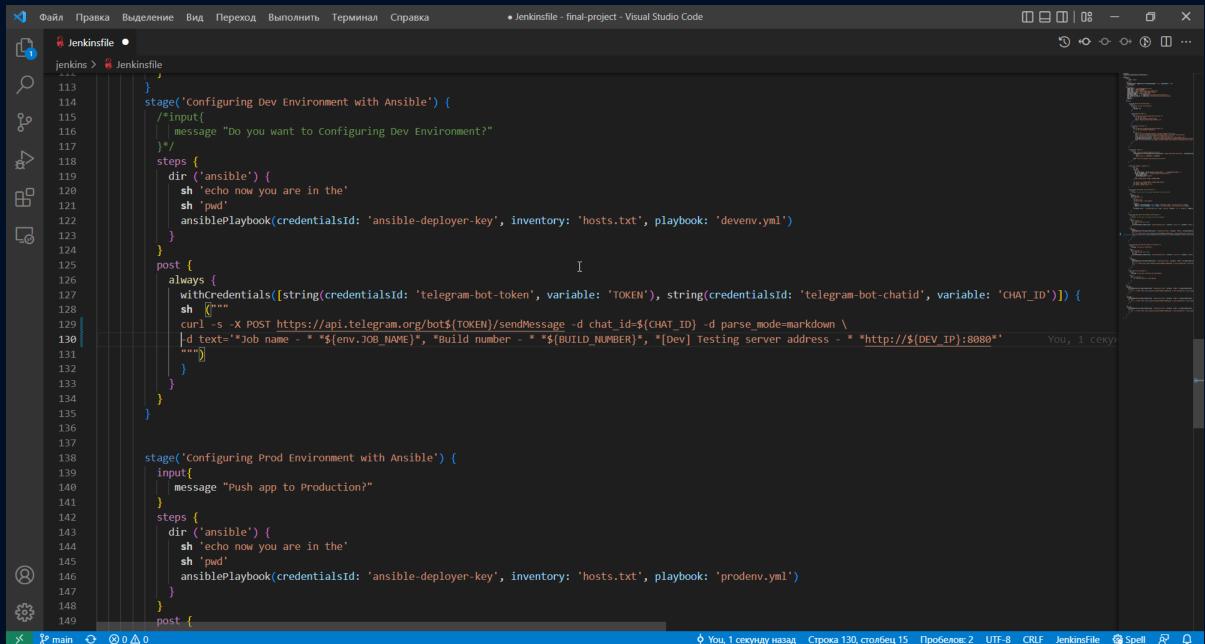
#### Creating of the Docker Image and pushing to Docker Hub:



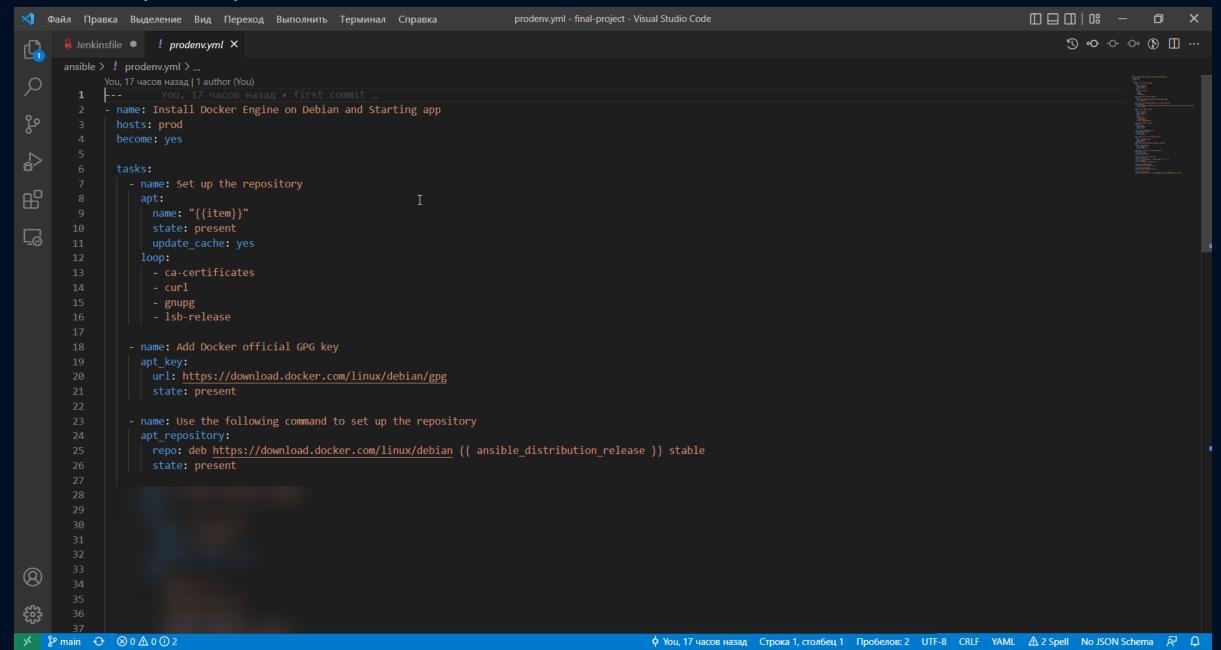
#### Building instances with Terraform:



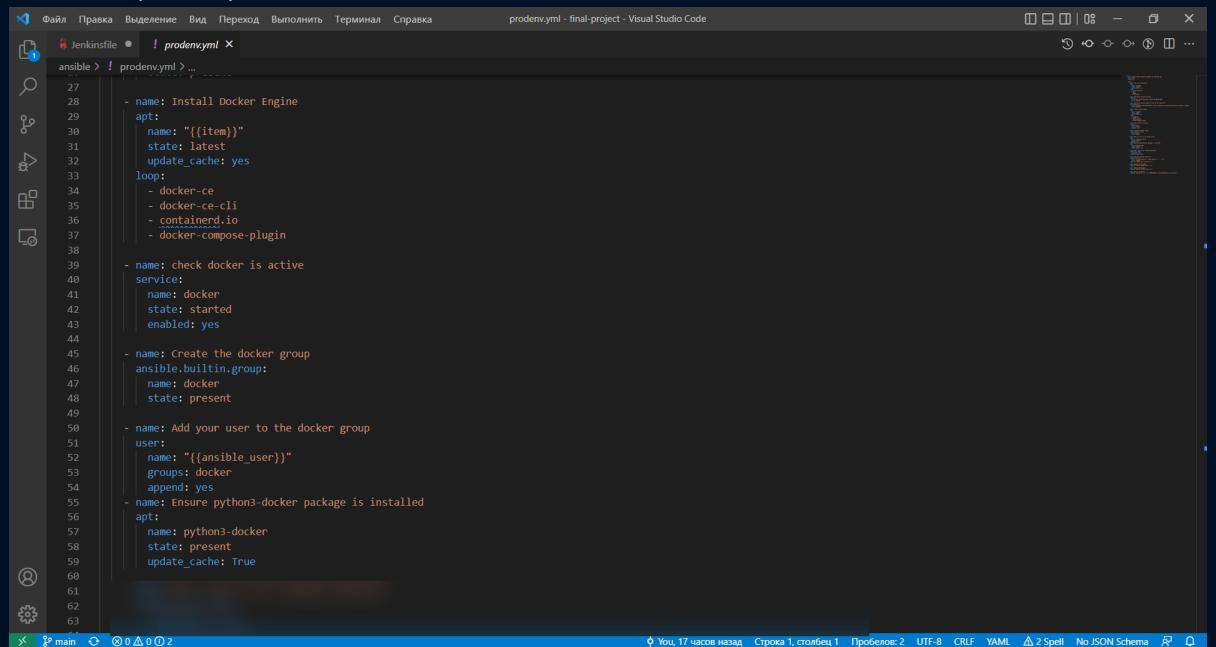
#### Configuring instances with Ansible:



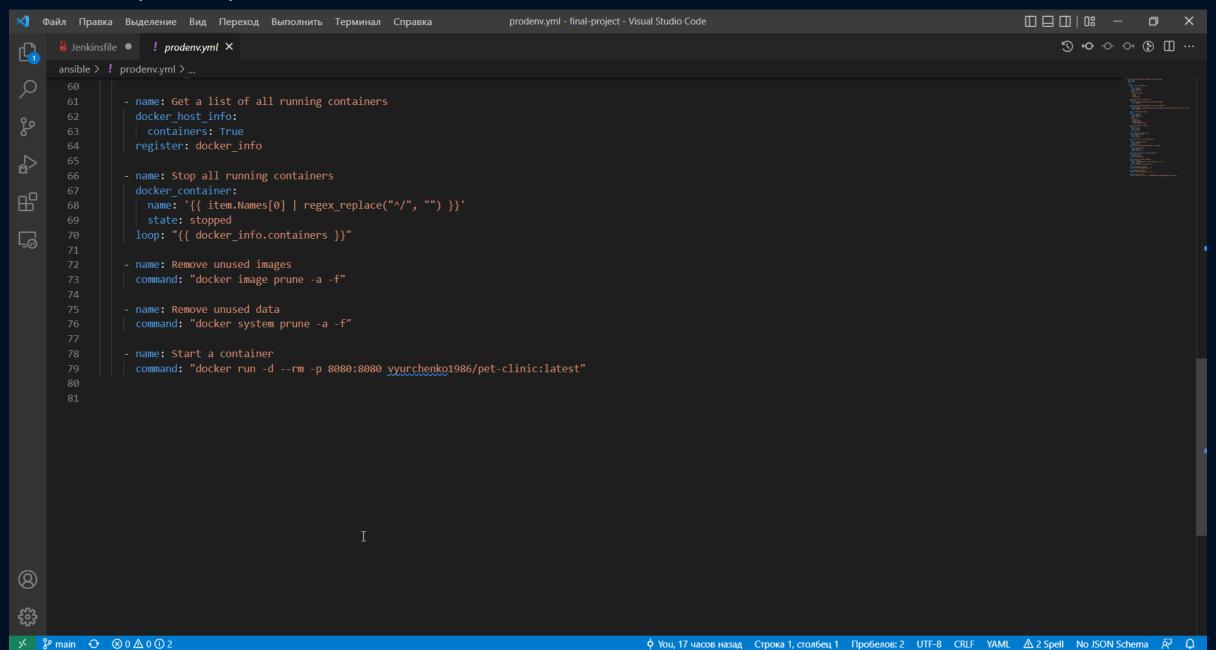
#### Ansible Playbook.yml:



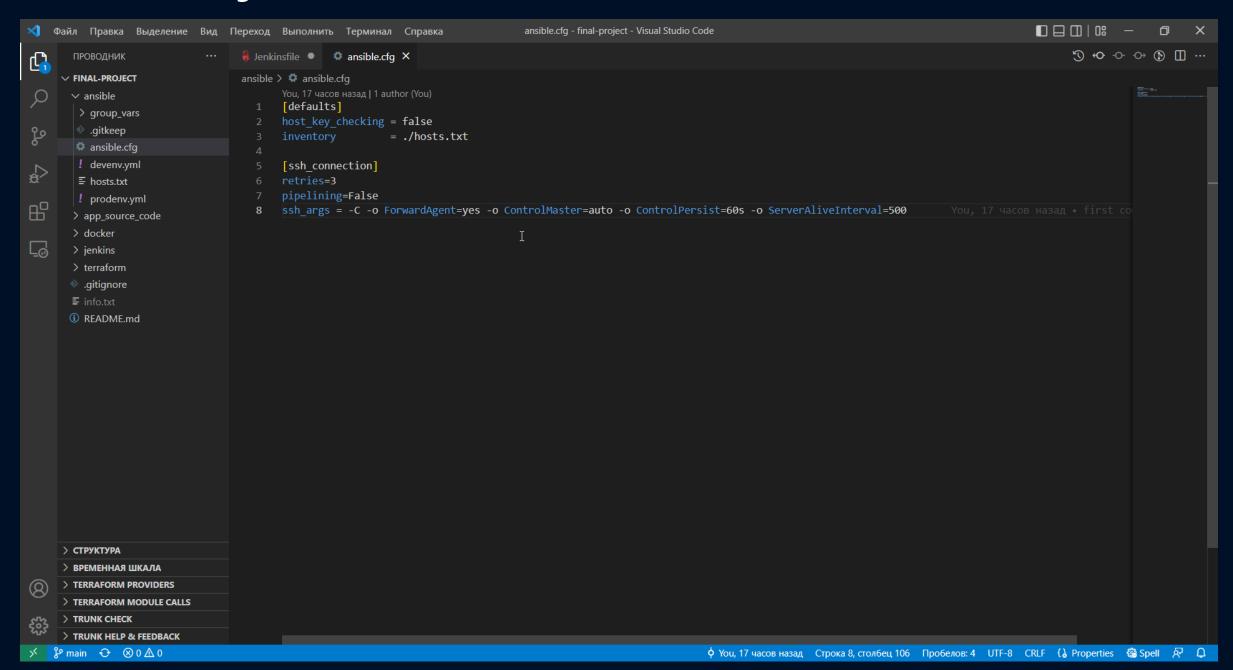
#### Ansible Playbook.yml:



#### Ansible Playbook.yml:



#### Ansible Ansible.cfg:



## Live demonstration

# Thank you for your attention!