Product mission

Help intermediate Devs (from junior to middle) develop and deploy secure software applications in a safe environment

Vulnerability Fixer 9000

(code name SIEVE)

Tool for scanning cybersecurity vulnerabilities that help patch potential risk in code and prevent from outside attacks

Users

- Fresh Devs who wants to start building with security in mind
- Mid Devs who want to focus more less on security and more on product

User Stories

Wade Wilson lazy software developer: I want my code be automatically checked for basic potential vulnerabilities so I don't have to spend time on it

Barry Allen developer in Financial sector: I need tools that can check and provide me with the latest software updates so I can stay on track with latest tech

Bruce Wayne FSD: In my line of I have to be sure that my data is secure so I want to know who when and where can access my data

MVP

○ Runnable script that can check up to date software running inside container (image it build and software running inside)

○ Be able to see traffic as a firewall

○ Script that checks deployed code for basic vulnerability tests

Technologies

- ○ Docker - is a set of platform as a service (PaaS) products that use OS-level virtualization to deliver software in packages
- ○ Kubernetes - orchestrator of containers
- ○ Python - scripts to automate some of it
- ○ FWAnalyzer - tool to check containers consistency
- ○ Wireshark - network analyzer
- ○ Dependabot - tool to check all dependencies in container
- ○ Snyke - one of popular tools to do full scale security check

Next Sprint goals

- ○ Create basic environment for running containers

- ○ Fill the containers with potentially old or vulnerable software

- ○ Try to use popular tools to define vulnerabilities

- ○ Have script that can access the code and containers