Joshua Jebaraj

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Skills

Languages: Golang , Python
Technologies: Containers, Kubernetes,Google Cloud,Github Actions,Gitlab CI,Terraform and Ansible

Experience

Associate Security Researcher   June 2021 – Current
we45   Bangalore, India

- Conducted cloud security audits for the various client using open source tools and help them to identify security misconfigurations and helped them to fix the misconfigurations
- Researched and created the training material for the appsecengineer on the various Kubernetes security concepts like Admission controller, Supply chain security etc
- Lead the GCP Research team and created completely new learning courses on GCP security .

Devops Intern   October 2020 – December 2020
Atlan   Delhi, India
- Reduced the build pipeline from 2 mins to 1.3 mins by tweaking the changes in the Github actions
- Introduced the Security best practices for the Container Images

Intern   November 2019 – May 2020
Practical DevSecOps   Remote
- Created the course content for the Docker Security Course
- Contributed to DevSecOps University by creating the content for the project

Projects

GCP-Goat   August 2021- Current

- GCP Goat is the vulnerable GCP environment to learn and practice GCP security.
- In this project, I have created various scenarios to depict the real-world security misconfiguration
- I have covered the various GCP services like compute, storage, GKE etc..
- This project has been showcased in international conferences like Defcon

[Securing CI/CD](#)   May 2021- Current

- In this project, I have implemented the security in the CI/CD pipeline for the vulnerable application
- I have covered varieties of tools like SAST,SBOM , DAST, Compliance Check etc…
- I have also leveraged terraform to provision the temporary testing environment for performing the DAST

[GCP enum](#)   April 2021- Current

- GCP enum is the tool that helps to find the existence of the GCP buckets. This might be helpful during the pentesting or recon
- In this project, I have used various Go features like concurrency, file processing
- To automate the creation of release I have leveraged the Go-releaser in the GitHub Actions

Education

Vellore Institute of Technologies   June 2016 – June 2021
Mtech Integrated Software Engineering(8.9 CGPA)   Chennai, India

Education

Speaker/Trainer   June 2020- Current
Multiple Events

Spoken at conferences like Defcon,Owasp-Seasides,Bsides-Delhi and Eko-party

Chapter Lead   June 2022- Current
Owasp , Tiruvannamalai

Volunteering as the chapter lead in my hometown helps to conduct sessions regularly to educate folks on the cyber security front

Technical Advisor   December 2019- November 2020
Owasp Student Chapter , Vit Chennai

Worked as technical advisor for the student chapter and conducted a few session