

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
we45

June 2021 – Current
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

Mtech Integrated Software Engineering(8.9 CGPA)

June 2016 – June 2021

Chennai, India

Volunteering

Speaker/Trainer

Multiple Events

June 2020- Current

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

Chapter Lead

Owasp, Tiruvannamalai

June 2022- Current

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

Technical Advisor

Owasp Student Chapter, Vit Chennai

December 2019- November 2020

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