Aseem Shrey

Security Engineer

Patna, Bihar, IN

https://aseemshrey.in   ✉ aseemshrey@gmail.com

🐦 aseemshrey   ⓖ LuD1161   ▶ HackingSimplified   in Aseem Shrey

Hi 👋

Myself, Aseem. I work as a Senior Security Engineer at GoJek.

My usual work week involves :

- **Compliance as Code** : This is a framework I wrote from scratch using Golang, to run automated CIS checks on our **GCP infra**, which spans 250+ projects. Also auto remediating any non-compliant resources. It has been running in production since the past 5 months without any downtime. Runs on Google Cloud Run.
- **Android and Web App Pentesting** : Pentesting any feature release in the GoJek web API backend and GoJek Android application.
- **Red Teaming** : Finding critcal vulnerabilities and escalated privileges to cover any loopholes in the whole GoJek ecosystem.
- **Code and Design Reviews** : Code and design reviews for any feature release in the GoJek API or mobile application.

In my free time, I teach about cybersecurity on my youtube channel HackingSimplified, develop security projects in python, tinker with IoT security, read books 📚 , play games 🎮 , run 🏃 , and bicycle 🚴 .

SKILLS

Web App Pentesting
Master

OWASP Top 10

Recon automation

Mobile App Pentesting
Advanced

Android

Python
Master

flask   django   requests

Golang
Intermediate

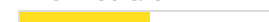### AWS Security
Advanced

Guard Duty   Macie

Trusted Advisor   Cognito
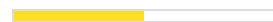
GCP Security
Intermediate

Kubernetes Security
Intermediate

WORK EXPERIENCE (2)

Senior Information Security Engineer at GoJek   **Feb 2021 - Current**

📍 https://gojek.com/

Working in the ProdSec team. Driving Shift Left culture at GoJek.

- **Compliance As Code :** CIS Benchmark auto remediation in Google Cloud using Google Cloud Run.
- **Web App & Android Pentesting :** Pentesting for any feature release in the GoJek web API backend and GoJek Android application.
- **Red Teaming :** Found critcal vulnerabilities and escalated privileges to gain admin access to almost all of the GoJek Infrastructure.

- **Code Reviews :** Code reviews for any feature release in the GoJek API or mobile application.
- **GoSecCon :** Organised the first ever security conference of GoJek, which included a CTF competition + external and internal speaker talks over a span of 2 days.

Security Engineer at Grofers   **Apr 2019 - Jan 2021**

⚲ http://www.grofers.com

Just after college have joined this as the 2nd member of the security team, just after it's creation a month earlier. The team and manager are awesome here. I've been working on a lot of interesting projects here. Some of the highlights are :

- **DNS-As-Code** : Created from scratch an automated pipeline using terraform to create DNS entries in cloudflare as well as Route53 with failover option for easy switching to either of the DNS providers

  Built Using : terraform

- **G-Shield Security Bot** : Created from scratch a github bot with the intention of shift-left, bringing security closer to the developer workflow. It scans each PR for common security issues like hardcoded secrets, code smells, vulnerable docker images, sensitive mount point etc. The code is modular and thus new modules have been easily added to it by other team members.

  Built Using : python, celery and github APIs

- **Temporary credentials for DB** : Integrated vault with DBs and github so that users can generate temp credentials for database based on their github team

- **Cognito Integration** : Worked with multiple teams to integrate AWS cognito in legacy APIs to provide better authentication workflows like social oauth (such as google auth) and OTP based workflow

- **OauthProxy** : Integrated oauthproxy for gsuite authentication and compliance to some of our internal applications

EDUCATION (3)

B Tech. Information Technology at IIIT Allahabad

                                                                                        2015 - 2019

Grade: 7.7

Higher Secondary at DPS R K Puram, New Delhi

                                                                                        2012 - 2014

Grade: 89%

Secondary at VVRS, Purnea, Bihar

                                                                                        2005 - 2012

Grade: 10

AWARDS

HackIM CTF - 1st (India), 8th (World Rank) - 2018 at NullCon - Walmart & VirtualBox

Found IDOR Bug in Digilocker (GoI Initiative) - Hall of Fame - 2017 at Govt of India

Reported bugs to Google, Myntra, MakeMyTrip, Zoho, IBM, Sony, GM etc

1st in Terminal Tragedy CTF, NIT Trichy - 2017 at NIT Trichy

DRDO CTF - Top 20 - 2017 at DRDO

LANGUAGES

Hindi

Native Speaker

English

Fluent

INTERESTS

CyberSecurity 🖥️   **Reading Books** 📚   **Creating Stuff** 💡

web app pentesting

goodreads-97128738-aseem

reverse engineering

Running 🏃

Swimming 🏊

garmin forerunner45

strava-47262934