ASHISH R BHANDARI

Security Engineer

✉ asharry97.bhandari[at]gmail.com

✆ +91 8879085076

CAREER SUMMARRY

I am a Security Engineer, who loves to explore Softwares from different angles (Security, Frontend, Backend), I keep on improving my skills by reading, researching and developing (small projects), i try to learn the concepts in a way that i can EXPLAIN it to others. This helps me to increase my Knowledge & Experience. I always try to learn concepts from different ways so that i can fully decode and relate with it. I am very much curious to learn something new and always try to challenge myself.

Work Experience

Security Engineer
SafeSquid Labs
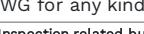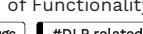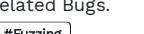
2018-Present

My Role requires me to be flexible enough to understand the Enterprise Security Requirements, Understand how Web Apps works, how to understand, troubleshoot & test Web Apps working and being able to apply policy based restrictions on it.
One Area of my work focus on Setup & Troubleshooting, where i understand how a webapp or app connects to internet, supports(acknowledges) proxy or not, which all domain it connects to.
I Work Closely with the NOC & SOC team to identify problems faced due to website/application broken functionality, which can be causes by Content-Filtering solution or Firewall restrictions.
I handle the Understanding of the Product, Testing of the Product, Product Demonstration, Product Demo Setup, Product Support. My Testing includes First Fully Understanding the Core Functionality of the Product (SafeSquid-SWG) and then Testing it to verify that it actually accomplish the desired goals. I also handle the Application Security Testing part where i provide a detailed report on the Security Vulnerabilities of the Product. one part of my work focuses on finding the Bugs & issues related to product found in the testing phase or at the client side.

- Testing using `#OWASP Top 10` Methodology
- Internal Application Security Testing (Burp Suite, Fiddler, Postman, MitmProxy, Curl & Manual Approach)
- Leading Multiple Projects and Team
- Product Demonstration To Client
- New Product Configuration and Deployment
- LDAP/ICAP Configuration & Integration with Product
- Product Configuration Review
- Testing the SafeSquid-SWG for any kind of Functionality and Security related Bugs.
- Testing Includes: `#SSL Inspection related bugs`, `#DLP related bugs`, `#XSS`, `#Fuzzing`.
- Product Plug-in Development (JavaScript, Python, Bash)
- Client Support Engineering (Troubleshooting)

Job Skills:

`Security Testing` `Linux` `Web Development` `Scripting` `Content-Filtering` `Troubleshooting` `DLP` `DNS Security` `Fuzzing` `Networking`

Network Engineer
EKids India

2017-2018

My Role requires me to be able to test and keep all systems up, running & working as expected. I indulge in troubleshooting problem faced by users either due to Firewall Policy, AD Group Policy. I make sure that any BYOD or Internal System connects to internet properly and safely as per the restriciton policy enforced. My job also includes making sure that hardware maintainence is done timely.
I help them in managing the Setup, Solving any kind of hardware and software installation & troubleshooting.

- Maintain the Cyberoam Firewall
- Creating Network Restriction Policies
- Logging and Monitoring Events to understand flaw in the Network Restriction Policies
- Microsoft AD User Group management
- Troubleshooting & Analysis
- Hardware Maintainence

Job Skills:

`Hardware & Software Troubleshooting` `DNS Security` `Networking`

Skills & Tools

Skills:

`Security Testing` `Troubleshooter` `Networking` `Web Dev(Frontend+Backend)` `DNS Security` `Java` `Python` `JavaScript` `NodeJS` `Scripting` `Linux` `Code Review`

Tools:

`Curl` `OpenSSL` `Wireshark` `Tcpdump` `Browser Developer Tools` `BurpSuite` `Fiddler` `NMap` `MITM Proxy` `Pi-Hole(DNS)` `Putty`

Education

BSc (Spec. in IT)
Patkar Varde College(Goregoan)
2014-2017

HSC (With Maths)
Thakur College(Kandivali)
2012-2014

SSC
Children's Academy(Kandivali)
2012

Awards & Laurels

Buildbox Training
Rapid Game Development(College Tech WebSession)
Trained Students on how to use Buildbox and create their own games.

Bootstrap Session
Web Development(College Tech WebSession)
I showed how a simple login form, or a simple website can be retransformed and made attractive & responsive just by importing bootstrap and using it classes

JavaScript World
Web Development(College Tech WebSession)
I taught form validation, different event handlers, where to use and how they help etc.

Personal Qualities

Listening, Understand & Analyzing Problems

Software Lover & Explorer

Problem Solving & Observational Skills

Teaching is what i Love, If i know somethings I love to teach it to someone

Freelancer Experience

DevOps Engineer Consultant
Techend Engineer (SystemOps & Maintainence)

OceanVW

I work there to setup, configure and maintain their servers. developing small plugins and automating some business Requirements. I handle most of the IT tasks and help them in supporting their Business.

Project Links: ↗ OceanVW Hope Page | ↗ OceanVW.co.in Landing Page | ↗ Email Marketing Templates

- Install Configure & Maintain Linux Servers
- Setup, Configure & Mini Customization of MRBS Application
- Product Plug-in Development (JavaScript, Python, NodeJS, Bash)
- Product Demonstration To Client

Job Skills:

`SysOps` `Linux` `Web Development` `Scripting` `Troubleshooting`

Tech Consultant
Techend Engineer (Web Dev)

MJ & Associates

I helped them built their Online Space, built their website from scratch. handling domain registration, email setup, website and online visibility.

Project Links: ↗ MJ & Associates

- Built & Maintain their Website
- Technical Help

Job Skills:

`Web Development` `Domain & Email Management`

Tech Consultant
Techend Engineer (Web Dev)

The Planner Next Door

I am helping them built their Online Space, built their website from scratch. handling domain registration, website and online visibility. I am currently working in this project.

Project Links: ↗ The Planner Next Door

- Built & Maintain Website
- Domain Management
- Hosting & SSL Setup

Job Skills:

`Web Development` `Domain Management`

Developer
Web Dev

College Projects

I love development and college projects are recurring events, which help me create, deploy and explain projects to new peoples.

Projects:
- DNS Blocker (Java)
- Web Rating App (Python)
- Proxy Filter (Python)
- Web Filtering Extension (JavaScript) -Cross-Browser

Job Skills:

`Web Development` `Python` `Java` `NodeJS`

Personal Projects

DNS Filter
A Simple DNS Filtering Solution

 Repo | Live

A Simple Customizable DNS Filter Solution, that Helps you block domains withe Granular Rules like based on IP, MAC(Removed Due to being Slow), Domain Regex.

`#Python`

DNS Server Testing
A Simple DNS Server For Testing

 Repo | Live

A Simple DNS Mini Server where You can set a List of Domains to be Blocked. This Helps to Test Apps when a Particular Domain in Blocked, this tells how the App will respond in such scenario where few Important resources are not Loaded.

`#Python`

Scripts Store
Scripts & Code-Snippets for Testing

 Repo | Repo

A Single Place to keep my Few Scripts & Code Snippets for Reference.

`#Python` `#Bash` `#NodeJS`

Custom HTTP Server

Custom HTTP Server in Multiple Languages

My Repo to keep all Simple Implementation of HTTP(S) Server in Most of the languages. So that we can use it for testing and also get few understanding and quick hands-on in different languages

#LearningCodingLanguages #Python #Bash #NodeJS

Personal Web Profile

Repo Live

My Web Profile & Portfolio

Here i tried expressing my views and learning, and i am working on adding more content as much as possible. People can know about me and see my work and provide review or learn from it.

#HTML #CSS #JS #Bootstrapv5 #GoogleFont-WorkSans

Web Dev Services

Repo Live

Web Development Services

I have a very small Development services startup, which i use as a frontend to showcase my projects and let people connect with me and i can then help them in development & services.

#DevServices #Development #Help

Github Gists

Repo

My Small Concepts Learning

I am working on adding small Gist, which will have small-small concept and a quick understanding of the concept.

#LearningGists #Linux #Concepts

Phishing Prevention Extension

Repo

A Simple Extension to Create Granular URL blocking Features

I wanted to know how Extensions Work, how to create one, what they can do and what we can actually do and implement using Extension.

#ExtensionDevelopment #URL-Filtering

DNS Security Learning

Repo

Learning DNS Security using DOT & DOH

I Wanted to learn & Understand how DOT & DOH works, how it will look actually and how can we make a DOT or DOH request.

#DNS-Security #DOT #DOH

SSL Certificate Creation

Repo

SSL/TLS Certificate Creation for Local Development & Testing

I wanted to first learn about Certificate Creation using SSL and wanted to make it easy using ONLY one Command. Self-Signed, RootCA-Server Certificate Creation.

#OpenSSL #SSL-Certificate #Self-Self-Signed #RootCA-Server-Certificate

---

### Simple Send Email

Repo

Simple Send Email using Python

I wanted to first learn about Certificate Creation using SSL and wanted to make it easy using ONLY one Command. Self-Signed, RootCA-Server Certificate Creation.

#Python

Simple Starter Dashboard

Repo Live

Simple Starter Dashboard using Bootstrapv5

Dashboard

#ExtensionDevelopment #URL-Filtering