Malav Vyas

Ahmedabad, India

malavvyas94@gmail.com

+91 9429632133

_____

Summary

Self-motivated IT professional seeking a technical position in which I can apply existing skills and continue to work with the latest technologies. With two years of professional experience in Information Technology, my expertise revolves around task automation, Exploit Development, Web/Desktop Application Development, and Penetration Testing. I have a strong knowledge of the latest Information Security practices and possess strong oral and written communication skills, as well as the ability to prioritize and multitask.

Experience

Infovys Inc. – Nashik, India   October 2018 - Present
Information Security Analyst – Company's sole security analyst and developer, member of Security Engineering team.
Responsibilities/accomplishments include but are not limited to:
>   •Antivirus administration
>   •Secure Coding
>   •Security Auditing for Web/Android Applications as well as servers
>   •Single-handedly designed and developed a multi-platform Antivirus System with Firewall
>   •Miscellaneous Task automation in both Windows and Linux environments
>   •Research and various side projects

E Cyber Fariyad, Adalaj Police – Adalaj, India   June 2018 – July 2019
Cyber Crime Consultant – Pro-Bono Cyber Crime Consultant for Adalaj Police Station.
 Responsibilities include but are not limited to:
>   •Educating Staff on analysis techniques, as well as scripting
>   •Proactively seeking and investigating suspicious activity of suspect

Girlscript Foundation– Nagpur, India   January 2017 – January 2018
Core Team Member – Senior member of the Operations team, responsible for supervising operations.
Responsibilities include but are not limited to:
>   •Planning and Organizing Workshops, meetups for the Foundation
>   •Conducting Information Technology related workshops as speaker
>   •Maintaining Public Relations on behalf of the foundation

Commissioner of Police - Gurugram – Delhi, India   May 2017 - June 2017
Cyber Crime Intern–Got a Learning Experience of the Police Department's Cyber Crime Investigation. Individual responsibilities include but are not limited to:
>   •Studied and analyzed various Cyber Crime Incidents.
>   •Worked with Forensic tools and equipments while following forensics investigation methodology
>   •Developed and Presented a project on Web Application Attacks.

Other Skills
>   • Proficient in C, C++, C#, Java, x86 Assembly language, Rust
>   •Linux/UNIX Administration
>   •HTML/CSS/JavaScript/PHP
>   •Static code analysis (JavaScript, PHP, C#)
>   •Scripting/Custom tool/program development (Bash, Python 2.7, PowerShell 2.0-4.0)
>   •Familiarity with various logging technologies/SIEMs (ELK Stack, Rsyslog, AlienVault, FireEye Helix)
>   •Docker Development
>   •Cloud Security (AWS)
>   •Expert level network connectivity troubleshooting skills on all platforms of end user devices

Education

Most of the stuff is self taught. Thanks to Google, Stack Overflow, MSDN Library and various online forums.

- **Graduation**

    •*Information Technology Engineering, Gujarat Technological University*   *2020*

Workshops and Sessions

● x86 Assembly - Preparing for the battle	Null Ahmedabad
● EggHunting - Exploit Development Techniques	Null Ahmedabad
● IoT and Security	Null Ahmedabad
● Exploit Development 101 (2 Days (20 Hour) Workshop)	Null Ahmedabad
● Augmented Reality and Virtual Reality	Mozilla Foundation
● Web Application Development	Mozilla Foundation
● Cyber Awareness	Infinite Defence Foundation

Projects

- Exploit for GetGo Download manager – Python
- Undetectable Keylogger Over WAN without static IP – Python
- Fileless JavaScript Malware Dropper - Javascript
- Barebone OS kernel with Graphics and keyboard support – C and Assembly Language
- Remote Desktop Administration Tool (platform Independent – Java)
- Linux Command Shell – C

Research

- **Pressing Importance of IoT Security -**   **Published**   **Digital 4n6 Journal February 2020 Issue**
  In this paper, I elucidate on misconfigurations in IoT devices and the possible impact on them as well as explain the pressing need for IoT security and my findings on them.
- **Recruitment Based Resume Classification -**   **Ongoing**
  In this research, we intend to make the process of hiring talents less tedious for employers by resume classification for recruitment.

Web Presence

- **Secjuice Author - https://www.secjuice.com/author/malav/**
- **Exploit-DB Author - https://www.exploit-db.com/?author=10119**
- **Medium Author - https://medium.com/@malavvyas98**
- **Packet Storm - https://packetstormsecurity.com/files/author/14434/**
- **GeekFlux Author - https://thegeekflux.in/authors/**
- **SecArmy Trainer - https://www.youtube.com/watch?v=Pe5qXbjuP_A**
- **Github - https://github.com/malavvyas**
- **Twitter - https://twitter.com/malav_vyas1**
- **Personal Web Page - https://malavvyas.github.io**

Areas of Interest

Cryptography, Malware Analysis, Linux Kernel and Networking, Exploit Development

References are available upon request.