



TANOY BOSE

SECURITY RESEARCHER, RED TEAM

EXECUTIVE SUMMARY

I am a security researcher with 6 years of industry experience with specialization in offensive security research and red teaming with over 20 High Risk CVEs. I have worked with over 30 clients in 6 countries (Europe, Middle East and Asia region) and led teams of size 12. With multiple CTF wins like Global Cyber Challenge SCADA CTF and Hack-A-Sat Defcon CTF, I have been awarded by the Prime Minister of India and Director of U.S AirForce Research Labs.

MY EXPERTISE (OFFENSIVE SECURITY)

- Active Directory Environment
- Windows user-land
- Linux user-land
- Android user-land
- Fuzzing
- Web application
- Mobile application (Android)
- Protocols (802.1X, SIP, TLS, UART)
- Firmware

HOW TO CONTACT ME

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PROOF OF WORK

Vulnerability Advisories:
<https://vuln.shellcoder.party>
Quick links:
<https://repo.shellcoder.party>

RELEVANT EXPERIENCE

Security Resesarcher, Abu Dhabi

xen1thlabs, Digital14 LLC (former Darkmatter LLC) | Jan 2019 - present

- Assess the in-house built security products (Mobile applications, VPN box, Windows applications)
- Helped in establishing the process of integrating security into SDLC and assist the security engineering team
- Research renowned products and identify high risk vulnerabilities
- Build a scale-able fuzzing framework
- Train client in advanced vulnerability assessment techniques

External Security Consultant, Mumbai

PricewaterhouseCoopers | July 2018 - Jan 2019

- Led the red team practice in Mumbai region
- Assessed India's largest 4G provider's network and Middle East's largest Bank's network
- Built relationships with clients and create new opportunities in the middle east region

Senior Security Consultant, Mumbai

Ernst and Young LLP | March 2015 - June 2018

- Established red team practice and built the read team for the Mumbai region in the Industrial Sector
- Built relationships with clients and create new opportunities
- Led red team engagements that required collaboration from teams located around the world
- Cyber-security advisor to the CISO of India's biggest oil and gas org
- Established red teaming and SCADA security testing practice for India's biggest oil and gas org

RESEARCH PAPERS AND TALKS

Hack In The Box, Abudhabi 2020

Workshop on Windows Infrastructure Exploitation

BalCCon 2018

Present research paper on Windows Hybrid Cloud Infrastructure Exploitation

BalCCon 2019

Present a tool on Network Access Control bypass

BalCCon 2017

Present research paper on Pupper, Ansible, SCOM and SCCM post exploitation

SCHOOL BACKGROUND

Amrita Vishwa Vidyapeetham (Amrita University)

Bachelor of Technology, Electronics and Communication Engineering Jun 2010- May2014

- Completed the degree with a 'First Class' score
- Worked as a Teaching Assistant