BILAL **RETIAT**

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Experience

Realistic Security   *Algiers, Algeria*
System Administrator (Part Time)   *May. 2019 - Dec. 2019*
- Build a penetration testing training lab.
- Ensure proper security and configurations for the infrastructure for production servers.
- Manage and maintain multiple virtual machines.

El Djazair Information Technology (ELIT)   *Algiers, Algeria*
Cyber Security Intern   *Sep. 2018*
- Performed WAF evasion and bypass tests on FortiWeb.

Education

ESI-SBA (Ecole Supérieure en Informatique 08 Mai 1945)   *Sidi Bel Abbés, Algeria*
Engineer's degree in Computer Science   *Sep. 2015 - Present*

Lycée Delmi Bourass Ahmed   *Ouled Bessem, Tissemsilt, Algeria*
Baccalauréat   *Sep. 2012 - Jun. 2015*

Core Competencies

- Problem Solving
- Penetration Testing & Exploit Development
- Reverse Engineering & Malware Analysis
- Linux System Administration
- DevOps
- Backend Web Development

Skills

Programming	Python, C, C++, GO, Shell Scripting, JAVA, JavaScript
Tools & Technologies	Flask, Django, Angular, MongoDB, Redis, MariaDB, PostgreSQL, SQL, XML
DevOps	Docker, Git, Github Actions, CircleCi
Others	x86 Assembly, ARM Assembly, GNU Debugger, KVM
Languages	Arabic (Native Proficiency), English (Professional Working Proficiency), French (Limited Working Proficiency)

Extracurricular Activity

Sudo_root (CTF team)   *Algeria*
CTF Player   *Feb. 2017 - Present*
- Participated on a lot of Hacking Competitions (CTFs).
- Gained expertise in hacking & security areas, especially about reverse engineering, exploit development and cryptanalysis.
- Gained expertise in penetration testing & code auditing.

Projects

Malware Revealer   *ESI-SBA, Algeria*
Developer   *Mar. 2019 - Present*
- Malware Revealer is a malware classification framework, designed primarily for malware detection, it contains a modular toolset for feature extraction, as well as pre-trained models and a ready to use web API for making predictions.

OpenClass   *ESI-SBA, Algeria*
Backend Developer   *Mar. 2018 - Sep. 2018*
- A Django web application provides all the features necessary for the organization of workshops.

ESI-LINUX

Developer

- Customized Linux distribution for ESI-SBA students provides all the necessary tools for their curriculum.

Volunteer Experience

Docker Sidi Bel Abbes Chapter

Mentor

- Provide guidannce and helping for newcomers.
- Provide hands-on Docker training.

Sidi Bel Abbes, Algeria
Nov. 2018 - Present

ESI-SBA

Python Trainer

- Teaching Python core concepts.
- Provide practical workshops in Python.

Sidi Bel Abbes, Algeria
Jan. 2019 - Feb. 2019

ESI-SBA

C Trainer

- Teaching fundamentals of C programming.

Sidi Bel Abbes, Algeria
Feb. 2019

Honors & Awards

Nov. 2019 **2nd Place**, CSAW'19 CTF Hacking Competition Final (MENA) *NYUAD, Abu Dhabi, UAE*
Oct. 2019 **4th Place**, HITB+ CyberWeek - Standoff Cyberbattle 2019 *HITB+, Abu Dhabi, UAE*
Sep. 2019 **2nd Place**, CyberTalents - Arab Regional Cyber Security CTF *CSCAMP, Cairo, Egypt*
Jul. 2019 **1st Place**, CyberTalents - Algeria National Cyber Security CTF *ESI-SBA, Sidi Bel Abbes, Algeria*
Nov. 2017 **3rd Place**, CSAW'17 CTF Hacking Competition Final (MENA) *NYUAD, Abu Dhabi, UAE*

Program Committees

Feb. 2020 **Organizer & Problem Writer**, AlphaBit Coding Challenge 2nd Edition *ESI-SBA, Sidi Bel Abbes, Algeria*
Jan. 2020 **Organizer & Problem Writer**, Shellmates - HackINI 2k20 *ESI (ex. INI), Algiers, Algeria*
Feb. 2019 **Organizer & Problem Writer**, AlphaBit Coding Challenge 1st Edition *ESI-SBA, Sidi Bel Abbes, Algeria*
May. 2018 **Organizer & Problem Writer**, IngeHack CTF Hacking Competition 1st Edition *ESI-SBA, Sidi Bel Abbes, Algeria*

Presentation

MLH Local Hack Day by Ingeniums Club

Presenter for <Docker From A to B>

- Introduced the Docker Key Concepts.
- Introduced how to dockerize a Django Web Application.

ESI-SBA, Algeria
Dec. 2018

DevDay2.0 by AlphaBit Club

Presenter for <SQL Injection>

- Introduced SQL Injection describing some attack and defence techniques.
- Conducted a workshop on SQL Injection attack techniques.

ESI-SBA, Algeria
Dec. 2018