Raki Ben Hamouda

Pentesting/Security Consultant/DevSecOps

MY OBJECTIVE

I am an ambitious passionate student, facinated about new development techniques always looking for new Challenges, excited to learn something new, especially in the field of computer security.

CONTACT

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Skill

- Django/Python/Java ◆◆◆◆
- Android ◆◆◆◆
- Cloud Computing ◆◆◆
- Security ◆◆◆◆
- Digital marketing ◆◆

Languages

- English ◆◆◆◆◆
- French ◆◆◆
- Arab ◆◆◆◆◆

Education

2010-2017 LYCÉE BOURGUIBA HAMMEM GHEZAZ
Bachelor of Science in Computer Science
Mention : Passable
Year : 2017

HIGHER INSTITUTE OF COMPUTER AND COMMUNICATION TECHNICS HAMMAM SOUSSE
Year : 2017-2021

Applied License in Computer Networks
Grade: Good
Dissertation: Design and Implementation of a Time attendance Application

2022-2024 Private Higher School of Engineering and Technology -ESPRIT-
Computer Science Engineering

Internships

TUNISAIR TECHNICS, Tunis
Networks Internship
Application of all that I studied in the first year and second year license for the configurations of network equipment.

6 Months AFTERCODE
Year : 2021
Backend Development Internship
development of a attendance management application by connecting to different attendance devices and retrie -ving data.

1 Year at XtendPlex SARL
Year : 2021-2022
DevOps Engineer

Organisation	Certificats	Hobbies
Club SECURINETS ISITCOM Hammam Sousse Member **Club TUNIVISION ISITCOM Hammam Sousse Member** **Music Club ISITCOM Hammam Sousse Member** **Club Google ISITCOM Hammam Sousse Member**	**2017 Cross site scripting by cybrary** **2018 Workshop “Connect your STM32” Forum of Convergence ENISo Companies** **2018 Python ATAST ISIM Monastir** **2018 Introduction to Cybersecurity Cisco Networking Academy (Mr. Bayrem Triki)** **2020 IT Night (ISITCOM)** **2020-2021 CCNA 1-2 (CISCO)** **2020 Appreciation of WSO2 to report security vulnerabilities (two critical vulnerabilities in WSO2 API Manager)** **2020 D-Link Appreciation for reporting security vulnerabilities (two critical vulnerabilities in a D-Link product**	**Thanking by the D-Link company for reporting several security vulnerabilities.** **https://supportannouncement.us.dlink.com/announcement/publication.aspx?name=SAP10113** **Reported a security vulnerability in Comtrend** **https://nvd.nist.gov/vuln/detail/CVE-2020-10173** **04/2020 Acknowledgments from Adobe and list my name in the honorable mention list to report a critical security flaw** **https://helpx.adobe.com/security/acknowledgements.html** **https://helpx.adobe.com/security/products/coldfusion/apsb20-18.html#Acknowledgements** **2020 Acknowledgments, rewards and listing my WSO2 company name in honorable mentions for reporting critical security vulnerabilities** **https://docs.wso2.com/display/Security/Acknowledgments**

DevOps Engineer At

I operated on the Intelligent Advertising Solution project named XtendTV, I have implemented a large part in the pairing function between the computing server and the android application.

I also have the honor of creating an Android VPN module using the Wireguard libraries. This module will also allow autoconfiguration, and auto-activation of the VPN interface when receiving certain parameters From computing server,after pairing, as well as . the creation of an Android module for communication over TCP with ZeroMQ, I have implemented an application that updates the XtendTV application (Silent Update), it allows a smooth transition from one version to another without interaction user.

Securing Project APIs: Analyse code within XtendTV by giving tips about security of the app and providing opinions about the communication between Android App, computing server, XtendTV backend and database.

I have implemented several solutions that facilitate development operations: Creation of a local server that updates the IP to the hostname (persistence of public ip address), this will allow some of my colleagues in the telework to benefit of certain internal resources and guarantee a good accumulation of data towards the local server as well as network configuration, Backup script of all project code, sources, updates of CI / CD pipelines, firewall configuration (allow only authorized internal traffic to pass), automation of access to servers (one-click access)

I created parametrized pipelines in Jenkins:

- CI pipelines in which a developer selects the target version (Tag) that will be incremented (patch,minor,major) and then push the tag to he repository, then that version
Will be used to create a docker image and push it to the registry of our hosting provider.

-In the CD pipelines, I used the hosting provider API to list pushed images(which I did in CI) from their registry, by putting them in a dropdown list, the user selects the target image from dropdown also the credentials and the server in the subject, the image will be pulled from the hosting provider on the target selected server, then the pipeline will stop any running image with that tag and name, purging any old container and images and run the selected image within the server.

The CD pipelines won't function unless you run the Prepare environment pipeline : the prepare environment will install the required packages and adds the required configurations before exposing any service.

All sensitive projects configurations, Keys and passwords are dummy in their files and not profitable from a security point of view, thus, Jenkins is the only service that holds the encrypted credentials therefore, these pipelines replaces the dummy strings with the suitable ones from Jenkins Store credentials, this prohibits accessing Sensitive informations and protects client servers when repositories is compromised.