MUHAMMAD TAYYAB SHEIKH

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SUMMARY

Computer Science Bachelor with **3+ Years of experience** of Web Development in Node.js, React and Python.

EXPERIENCE

Software Engineer | Envoy Innovations (Xcentric Services)

JANUARY 2021 – PRESENT

Back-end and Front-end development using Python, Node.js and PostgreSQL on a specialty pharmacy therapy management solution.

- Forms Development using Envoy's DSL for Rapid Development
- Frontend Development using CoffeeScript
- Workflow Handling using JS-Based Rule Files and RabbitMQ
- Converting coffee and given requirements into intuitive UI/UX and functionality.
- Handling external data streams for easy imports in Python
- Development of Backend APIs in Node.js
- Added features in Envoy's Domain Specific Language to make other developers life easy
- Troubleshooting Test Servers deployed on AWS
- Managing local deployments using Vagrant and Ansible

Full-Stack Web Developer | Virtoxed Technologies

JULY 2020 – DECEMBER 2020

Back-end and Front-end development using Python and PHP

Trainee (R&D) | Cydea Tech (Pvt.) Ltd.

MARCH 2020 – JUNE 2020

Training to work as Researcher and Full Stack Developer in R&D Department.

- Researching and deployment of Deception Software.
- Full-Stack Development of dashboards for monitoring network, systems and honeypots.

Student Researcher | COMSATS University Islamabad

JULY 2019 – NOVEMBER 2019

Explore existing products and do industry research to help in development of supcoming product.

- Researched on Breach and Attack Simulation (BAS) systems

Research Assistant | Trillium Information Security Systems

MARCH 2018 – MARCH 2019

Study and deploy existing software as assigned by Team Lead for the enhancement and feature introduction of another enterprise product.

- Deployment and monitoring of HoneyWall
- Worked on **Network Programming** to make a working honeypot of IP Camera using **Python**
- Extended Glutton (Honeypot) by writing a handler/proxy for **Telnet** in **Go Lang** (https://github.com/mushorg/glutton/pull/115)
- Deployed Sysdig, Falco & Auditd and correlated them with MITRE ATT&CK Framework.
- Wrote rules related to **Atomic Red Team Test cases** to integrate them with Sysdig and Auditd
- Worked on Service Lures and deployed them on **High Interaction Linux Honeypots**

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EDUCATION

Bachelor of Science in Computer Science | COMSATS University Islamabad
SEPTEMBER 2016 – SEPTEMBER 2020
- Cumulative GPA of 3.28/4.0 with 3.7 and 4.0 in most Core CS courses.
- Offered Internship two times in University for **Student Researcher** in **Cyber Security** domain.
- Arranged Web Development Workshop and Job Fair for Student Society.

PROJECTS

Offensive Mamba | Automated Penetration Testing System
https://github.com/cstayyab/offensive-mamba

Done as a Final Year Project for BS(CS) as a partial-requirement for degree. It is an Automated Penetration Testing System that can-do Network Penetration Testing with no or very low input from a human agent. It was built using Python Flask (Backend) and React (Frontend).

WALC | Unofficial WhatsApp Web Client for Linux Systems
https://github.com/cstayyab/WALC

Developed using Electron (Node.js), WALC provides ability to access WhatsApp Web right from your Linux desktop and it currently has **10K+ active users**. This project has been handed over to another maintainer because I could not actively work on it.

Glutton | Generic Low Interaction Honeypot
https://github.com/mushorg/glutton

Written in Go Lang, I have contributed to it by developing a Telnet handler for this honeypot.

Beemy | A simple BMI Calculator
https://github.com/cstayyab/beemy-flutter

An initial app to learn and test the working of Flutter.

CSTayyab.com | Personal Website
https://cstayyab.com

A Static Website generated using Jekyll SSG

SKILLS

- Quick Learning Ability
- Excellent Team Player
- Attention to Details
- Supreme Communication Skills
- Deep & Broad Technical Experience
- Great at Time & Task Management[1]

ACHIEVEMENTS AND ACTIVITIES

- Stood **1st in Inter-University Android Application Development** in Visio Spark 2019 arranged by COMSATS University (Wah Campus).
- Stood **3rd in Inter-University Speed Programming Competition** in ExcITe Cup 2019 arranged by Capital University of Science and Technology (CUST) Islamabad
- Awarded **100% Scholarship** from Grade 7 to 10 by **Teradata Cares**, **100% Scholarship** at Intermediate level by **Punjab Group of Colleges** and **100% Scholarship** at bachelor's level by **Higher Education Commission (HEC)**
- I am an **Open-source developer** and believe in giving back to community. Check out my GitHub profile https://github.com/cstayyab

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[1] "The fact that I procrastinate and still get the job done is the reason I still procrastinate"