Md Samin Yasar Islam

PRODUCT SECURITY ENGINEER

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Work Experience

bKash Limited
Dhaka, Bangladesh

ENGINEER, OFFENSIVE SECURITY RESEARCH
Aug. 2024 - Present

- Conducted in-depth penetration testing and vulnerability assessments on internal and customer-facing applications, focusing on web applications and APIs.
- Collaborated with development teams to triage, prioritize, and remediate vulnerabilities across the SDLC.
- Designed and executed threat modeling exercises to identify potential attack vectors in new and existing product features.
- Integrated and maintained SAST and DAST tools (e.g., Snyk, BurpSuite, OWASP ZAP) for automated analysis reducing manual work.
- Built and maintained container and infrastructure-as-code (IaC) security controls using tools like Snyk.
- Wrote internal tooling and scripts in Python/Bash to automate recon, scanning, and validation tasks for offensive assessments.
- Conducted proof-of-concepts of various security assessment tools and took the lead on the deployment and maintenance of other tools.
- Contributed to internal security documentation and security related configurations to improve secure-by-design culture across teams.
- Passionate and self-driven, continually expanding expertise in cloud security, secure SDLC, and vulnerability assessment of AI/LLMs.

Vivasoft Ltd
Dhaka, Bangladesh

ASSOCIATE SOFTWARE ENGINEER (INTERNSHIP)
May. 2023 - Sept. 2023

- Collaborated within a team specializing in the development of an in-house product utilizing ASP.NET and .NET technologies.
- Conducted testing and debugging of the codebase to identify and resolve issues
- Enhanced the overall stability and performance of the application.
- Contributed to the documentation of software architecture, system design, and technical specifications, facilitating knowledge transfer.
- Demonstrated adaptability and eagerness to learn new technologies and methodologies.

iMS Systems
Remote

WEB DEVELOPER (PART-TIME)
Apr. 2022 - Aug. 2022

- Developed features for the backend of the application using NodeJS and MongoDB
- Fixed bugs related to the backend and performed API testing using Postman
- Conducted research and development for setting up a software testing infrastructure
- Worked in a team with multiple developers and participated in daily standups

Projects

Fantech X9 Thor Driver

🖭 GITHUB.COM/GUESSWHATBBQ/FANTECHX9THORDRIVER

- Developed an open-source driver for the Fantech X9 Thor RGB gaming mouse targeted for Linux systems.
- Reverse-engineered opcodes using packet sniffing through Wireshark.
- Developed a functioning GUI for the driver backend inspired by the driver's original design.

SwipeFlix

🖭 GITHUB.COM/GUESSWHATBBQ/SWIPEFLIX

- Created an application that uses computer vision to allow UI interactions using their hands
- Developed a system that utilized MediaPipe for hand gesture detection
- Developed a system to stream video files from a server to a client

EasyTicket

🖭 GITHUB.COM/GUESSWHATBBQ/EASYTICKET

- Created an application for bus ticket booking
- Developed a backend framework from scratch and identified and mitigated vulnerabilites in that framework
- Familiarized myself with common vulnerabilites in application backends and the challenges faced by framwork developers

Skills

Languages	JavaScript/NodeJS, Python, C#
Security Tools	BurpSuite, Nmap, Nessus, Sysdig, Snyk
Methodologies	OWASP Top 10, Threat Modeling (STRIDE), Agile/Scrum

Education

Islamic University of Technology   *Gazipur, Bangladesh*

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING   *Jan. 2020 - Jun. 2024 (Estimated)*

- CGPA: 3.49/4
- Relevant Coursework:
    - Design Patterns/Software Development & Architecture
    - Mobile and Web Development/Database Management Systems
    - Machine Learning/Natural Language Processing
    - Software Security