

Md Samin Yasar Islam

SECURITY ENGINEER

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Work Experience

bKash Limited

Dhaka, Bangladesh

ENGINEER, OFFENSIVE SECURITY RESEARCH

Aug. 2024 - Present

- Conducted comprehensive vulnerability assessments regularly across web applications & APIs, databases, servers and k8s clusters to identify and remediate security weaknesses.
- Partnered with cross-functional teams to ensure the timely acknowledgement, triaging and remediation of critical findings.
- Translated vulnerability findings into prioritized actions, enabling systematic improvement of overall security resilience.
- Generated vulnerability status reports and executive summaries to communicate risk posture and remediation progress to higher management.
- Collaborated with engineering, operations, and product teams to embed security measures during system and application development.
- Integrated and maintained SAST and DAST tools, ensuring continuous vulnerability scanning workflows.
- Drove the integration and maintenance of cloud and k8s security assessment tools to enhance security monitoring.
- Led proof-of-concept deployments of various security assessment tools, evaluating their effectiveness for enterprise adoption.
- Authored and maintained internal security documentation, including technical guidelines, best practices, and tool usage manuals.
- Established benchmarks for configuration audits, aligning with industry standards and compliance requirements.
- Maintained, upgraded and troubleshoot tools such as RnD servers, vulnerability scanners, and other internal security platforms.
- Collaborated with vendors to resolve technical issues and coordinate feature upgrades.

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.

EasyTicket

GITHUB.COM/GUESSWHATBBQ/EASYTICKET

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

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

- 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

Gazipur, Bangladesh

Graduated June 2024

Scholastica

HIGH SCHOOL

Dhaka, Bangladesh

Graduated June 2019