Samkit H Shah

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Experience

Software Developer, Freelance – Remote   *Apr. 2021 to present*

- Build websites, software, and apps for 30+ clients, ensuring on-time delivery and client satisfaction using Laravel, Flask, Flutter, and Codeigniter.
- Provide cybersecurity consultancy, increasing the company's security by 40% from potential threats.
- Developed algorithms and scripts for automating processes and leveraging cloud services, resulting in a 40% reduction in processing and repetitive task time.

Co-Founder, (The Breakout Hunt 🔗) – Remote   *Nov. 2020 to present*

- Engineered application, monitoring and enhancing organization's cyber security, driving success for a 40k+ user base.
- Designed an algorithm to automate alert sending to users, increasing notification delivery speed by 70%.
- Implement a secure development lifecycle to bolster app security and ensure access control.

Cyber Security Analyst, Mahen Technologies – India   *Dec. 2021 to Mar. 2023*

- Conducted Gray box testing for websites, applications, and network, implementing robust security checks and audits, resulting in a 30% reduction in potential security vulnerabilities and strengthening defenses.
- Implemented Security Architecture preventing potential threats and risks and hassle-free security maintenance.
- Delivered 100 hours of lectures along with reviewing access controls, encryption practices, and backup procedures to support the compliance team in auditing systems and drafted audit reports and recommending improvements.

Software Developer, Intern, (Cart Geek 🔗) – India   *Dec. 2020 to May 2021*

- Conducted detailed source code reviews and refined code, leading to a 30% reduction in operational costs and supporting strategic decisions by senior management.
- Recognized as 'Intern of the Year' for outstanding teamwork and clear communication with clients.
- Decreased development rework by 40% and improved deadline achievement by 20% through effective project management on various software development initiatives.

Education

New York University, Masters in Cybersecurity   *Aug. 2023 to present*

- GPA: 3.55/4.0; Member at OSIRIS Cyber Security Lab; Graduate Assistant at CSE Department

NMIMS, B Tech in Computer Engineering   *July 2017 to May 2023*

- GPA: 3.58/4.0; Student Ambassador Award

Projects

Windows Malware Testing as a Service

- Engineered an AWS-based sandbox environment for isolating and analyzing Windows malware, utilizing S3 for code uploads and dedicated VMs for secure execution and network traffic examination.
- Automated malware analysis workflow, incorporating S3 bucket monitoring for executable submissions and VMs for in-depth adversary traffic analysis, streamlining threat investigation processes.

Security Assessment Project

- Conducted an in-depth Penetration Testing project for NBN Corp, identifying and analyzing vulnerabilities in their external infrastructure, such as web servers and client endpoints.
- Produced a comprehensive report that significantly enhanced NBN Corp's cybersecurity measures, improving their defenses by approximately 40%.(Nmap, Metasploit, Burp Suite and Manual Scripting for exploitations).

Certifications And Awards

Certified Ethical Hacker (CEH) Certification: Gained knowledge in ethical hacking techniques to identify and rectify cybersecurity vulnerabilities, enhancing ability to safeguard organizations from potential threats.

Security Researcher at BugCrowd: For ethically reporting security bugs on bugcrowd programs and received bounties.

Second Prize, Technical project: Awarded 2nd prize for web development project - Built an application system facilitating peer-to-peer delivery to expedite delivery times

Technologies

Languages: C++, Python, JavaScript, Java, Go, HTML5, CSS3, SQL, PHP, Ajax, Dart.

Frameworks: Vue JS, Node JS, Flask,Django, REST APIs, Flutter, Laravel, Codeigniter.

Tools & Platforms: Git, GitHub, Wireshark, Nmap, MySQL, MongoDB, DynamoDB, Firebase, Docker, JIRA, AWS, GCP, VMWare, Virtual Box.