

Shaswat Manoj Jha

CEHv12 | ISO 27001 Lead Auditor

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Professional Synopsis:



A **Certified Ethical Hacker (CEH)**, **ISO 27001 Lead Auditor** and an experienced information security professional, with nearly 3 years of experience in serving multiple Global and Indian organizations. Specializing in **IT Internal Audit and GRC (Governance, Risk Management, and Compliance)**, successfully executed engagements involving **ISMS, IT General Controls (ITGC), IT Application Controls (ITAC), Endpoint Data Leak Prevention (DLP)**, and regulatory compliance based on **Digital Personal Data Protection Act (DPDP) 2023, NIST CSF 800-53, and ISO 27001**. Also possess a comprehensive understanding of frameworks such as **NIST RMF 800-37, PCI-DSS, ISO 22301 and ISO 31000**.

Through comprehension of client preferences allows me to deliver tailored service and ensure exceptional satisfaction. With expertise in the insurance and financial services sector, some of the major global clients served include **Prudential, Guardian and CME Group** while Indian clients include **Niva Bupa Health Insurance, Max Life Insurance, Aditya Birla Health Insurance, IIFL Housing Finance and Bajaj Finserv**.

Instinctive nature of spotting flaws in design and detail enables me to create polished and compelling proposals, reports, and other audit and assessment documentation.

Driven by a commitment to continuous improvement, I continue to pursue online trainings and am proficient in technologies including Data Science, Big Data, SQL, SIEM, Power BI, Visio and possesses basic knowledge of programming languages like PHP, Python and C++.

Certifications:

- Certified Ethical Hacker :: CEHv12 – EC Council (Score - 92%)
- ISO/IEC 27001 Lead Auditor – IRCA
- ISO/IEC 20000 IT Service Management Associate – SkillFront
- ISEA Certified Cyber Hygiene Practitioner – Ministry of Electronics & IT (MeitY), Govt. of India

Work Experience: ~ 3 Years

Full Time at	Designation	From	To
EY	Consultant – Tech Risk Advisory	August 2024	Present
Protiviti	Consultant 3 – IT Audit	June 2023	July 2024
Nangia and Co LLP	Senior Analyst	June 2022	June 2023
Internship at	Designation	From	To
Tata Consultancy Services	Intern (Advanced DAST)	June 2020	August 2020

IT General Controls (ITGC) and Risk Management:

- ✓ Conducted **IT General Controls (ITGC)** reviews for various areas such as Identity and Access Management (IAM), incident management, backup and recovery controls, data center and physical security controls and change management.
- ✓ Performed integrated audits by collaborating with cross-functional teams to evaluate their interplay between the IT systems and business processes.
- ✓ Drafted, reviewed and improved **ISMS policies** including **Cyber Crisis Management, Disaster Recovery, Business Continuity, Change Management, Acceptable Use, Asset Management, and Incident Response** for multiple organizations.
- ✓ Examined presence **generic accounts** in systems and applications and provided recommendations to enhance accountability, avoid excessive privileges and monitor activity of such accounts.
- ✓ Created **Risk Control Matrices (RCMs)** with uniquely defined risk rating criteria for multiple clients and collected owner remarks to further discuss remediation plans for the observations.

- ✓ Conducted **Test of Design (TOD)** and **Test of Effectiveness (TOE)** to assess the efficiency, adequacy and overall operating effectiveness of controls in mitigating risks.

IT Automated Controls (ITAC):

- ✓ Performed review of automated controls in key business systems, aiming for accuracy and reliability of financial and operational information.
- ✓ Tested controls focusing on interfaces, input validation, report generation, segregation of duties, access controls and configurable controls.
- ✓ Evaluated the configuration of system-based controls, tested automated processes, and recommended enhancements to improve efficiency and reduce manual intervention.

Regulatory Compliance (RBI, IRDA and DPDP 2023) and Internal Policy Adherence:

- ✓ Assisted organizations in reviewing **ISO 27001** implementation and aligning information security controls with **NIST CSF 800-53** based guidelines by **IRDAI**.
- ✓ Reviewed applications and APIs for accessibility and security of Personally Identifiable Information (PIIs) in the front-end, logs and reports, based on guidelines from **IRDAI** and **Indian Digital Data Protection Act (DPDP) 2023**.
- ✓ Based on regulatory requirements, reviewed and improved **Business Continuity** and **IT Disaster Recovery (DR)** plans for adequate coverage of assets and timely conduct of drills and incident response tabletop exercises.
- ✓ Conducted thorough reviews of organization's adherence to policies and procedures by translating policy documents into checklists covering all requirements, establishing pertinent test steps and specifying relevant data requirements to test adherence and identify non-compliances.

Third Party/ Vendor Risk Management:

- ✓ Reviewed vendor management to ensure compliance with **service level agreements (SLAs)**.
- ✓ Conducted physical and digital security assessments at various vendor sites.
- ✓ Identified significant gaps in client data security through on-site **vendor risk management** exercises.
- ✓ Inspected the in-house and vendor tele-sales floor to identify **social engineering vulnerabilities** and other physical data leakage avenues.

PII Data Security, Endpoint Review and DLP Testing:

- ✓ Conducted reviews of data flow in applications to identify potential data leakage points.
- ✓ Designed data flow diagrams in **Microsoft Visio**, to visualize flow of sensitive data and PII across staff, systems, and applications.
- ✓ Assessed security of endpoint (laptops, desktops, and thin clients), identified major gaps in **Data Leak Prevention (DLP)** and provided recommendations to prevent unauthorized data extraction.
- ✓ Assisted organizations in maintaining endpoint inventory and configuring remote update of patches, DLP rulesets and antivirus definitions.

Cybersecurity, Dynamic Application Security and Penetration Testing (DAST):

- ✓ Utilized manual and automated Dynamic Application Security Testing (DAST) tools such as Burp Suite, SQL Map and OWASP Zap, to identify and address security vulnerabilities in web applications.
- ✓ Identified and exploited vulnerabilities such as SQL Injection, XSS, IDOR, Broken Authentication, Broken Access Control, Security Misconfiguration, and Sensitive Data Exposure.

Proposals, Reports and Documentation:

- ✓ Drafted winning proposals for multiple clients by adding unique approach and innovative methodology for the requested scope.
- ✓ Conducted **Business Impact Analysis (BIA)** and designed documentation such as risk register, software inventory, asset inventory, lessons learnt tracker and endpoint security testing templates.
- ✓ Created detailed reports in PowerPoint including executive summaries and recommendations by leveraging graphics & **PowerBI** visualizations to represent the security posture and make information easy to comprehend.

Notable Trainings:

Training	Certification Body	Completion Date
Information Systems Audit, Controls and Assurance	The Hong Kong University of Science and Technology via Coursera	April 2024
Cybersecurity Management (5 Weeks)	Charles Sturt University	April 2023
Cybersecurity and Digital Forensics	Indian Institute of IT (IIT), Kota	November 2022
The Data Scientist's Toolbox	Johns Hopkins University via Coursera	August 2021
Cisco – Cybersecurity Essentials	Cisco Networking Academy	March 2021
Certified Network Security Specialist	International Cybersecurity Institute	February 2021
Ethical Hacking Training (8 Weeks)	Internshala Trainings	May 2020
Advanced Python Programming	College of Computer Ed., Jamshedpur	July 2019

Achievements:

- Achieved a perfect score of **100%** and got the title of “**Top Performer**” in Internshala’s Hacking Training.
- Managed a team of 15 freelancers to refine and enhance the accuracy and reliability of the data scraped via “BeautifulSoup” for the “College Finder” project. (Described below in personal projects section)
- Scored **195 out of 200** in the “Cyber Crime Awareness” exam, under Mission Shakti, UP Government.
- Achieved 84% marks in the Advanced Dynamic Application Security Testing Internship project at Tata Consultancy Services. [\[View Project\]](#)

Notable Personal Projects:

- Developed a **PII scanner script** in Python during PII assessment for a client. This tool was designed to scan tens of gigabytes of logs and reports which included .txt, .pdf, and .xlsx files to find (PIIs) Personally Identifiable Information in them. It worked using regular expression (**RegEx**) patterns and the implementation of this script significantly **reduced the project timeline from weeks to days**.
- Conducted vulnerability testing on an eCommerce website using tools like Nmap, Burp Suite, SQL Map, and OWASP ZAP. Identified vulnerabilities such as SQL Injection, XSS & IDOR and drafted an industry-standard Vulnerability Assessment & Penetration Testing (VAPT) report with 126 pages. [\[View Project\]](#)
- Created a web platform “College Finder”, using Python, BeautifulSoup, Pandas, SQL, and PHP. This platform provides complete details of over 14,000 colleges including complicated data such as distance from nearby colleges, list of colleges offering similar courses etc. [\[View Project\]](#)
- Uncovered a vulnerability/ loophole on a well-known resume builder website, which allowed export of user resumes, which is a premium feature, from a regular free user account.

Education:

Degree / Program	Institution	Year
MBA – Information Technology and Financial Management	Swami Vivekananda Subharti University, Meerut (Distance)	2022 – 2024
B. Tech – Computer Science and Engineering (81%)	Madhyanchal Professional University, Bhopal (Full-Time)	2018 – 2022

Soft Skills:

- 🚩 Detail Oriented
- 🚩 Self-Directed
- 🚩 Proactive Initiator
- 🚩 Googling Expert
- 🚩 Selling & Negotiation
- 🚩 Critical Thinking
- 🚩 Innovative
- 🚩 Accountable

Personal Information:

- Date of Birth** – 22nd November 2000
- Current Address** – Jacob Circle, Mumbai, Maharashtra
- Linguistic Abilities** – English, Hindi & Maithili