Ashutosh Barot

Sr. Security Manager, CoinDCX

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Blog: https://cyberworldmirror.com
HackerOne : https://hackerone.com/ashutosh7
Github: https://github.com/ashutosh771/

Prevented data breaches affecting 100M+ individuals | #2 on Coinbase Bug Bounty Program

Core Competencies:

- **Application Security & Bug bounty:** Drive application security strategy across Web, Mobile, AI, and API surfaces. Individually ranked #2 globally on Coinbase's public HackerOne bug bounty program, currently managing the organization's own bug bounty program on HackerOne.
- **Offensive Security Leadership:** Lead the organization's offensive security program, covering CI/CD security, endpoint security, adversary simulations, and red team exercises, while managing a team responsible for vulnerability identification and exploitation across Web Applications, Servers, and Cloud infrastructure.
- **Adversary Simulation:** Understanding of BAS tools (Cymulate, SafeBreach, AttackIQ) and the MITRE ATT&CK framework; developed 80+ custom threat simulations using Batch, PowerShell, and Atomic Red Team YAML; simulated cross-network token theft via automated HTTP requests; collaborated with Blue Team to validate detections and improve the use cases.
- **Vendor Management:** Own vendor evaluation and contract negotiation for security tooling, platforms, and security services vendors
- **Technical Proficiency:** Python, PowerShell, Bash, JavaScript, C#, Java, SQL, HTML/CSS, PHP | AWS, Cloudflare, Computer Networks

Notable Findings:

- *"Critical Flaw Reported In phpMyAdmin Lets Attackers Damage Databases"*
- *"Personal info of Akasa Air's passengers leaked, airline informs CERT-In"*
- *"India shipping logistics giant Shipyaari exposed customer data"*

Work Experience and Projects:

- **Senior Manager, Security Assurance at CoinDCX** [May 2026 – Present]
  - Lead the offensive security program, including vulnerability identification and exploitation across Web Applications, Servers, and Cloud infrastructure
  - Manage the organization's HackerOne bug bounty program and adversary simulation efforts, including red team exercises and MITRE ATT&CK-aligned threat simulations
  - Collaborate closely with DevOps and Engineering teams to embed security into CI/CD pipelines and remediate findings at scale
- **Security Researcher at Saptang Labs** [Jul 2025 – Nov 2025]
  - Managed cybersecurity engagements, leveraging our proprietary solutions and TTPs
  - Research novel zero-day vulnerabilities to power innovative defences
  - Contributed to strategy and development of next-gen security products
  - Researching about Bot detection system and preventing bots
- **Manager at Deloitte Asia Pacific** [Jun 2017 - Jul 2025 | 3 Promotions]
  - Prevented large-scale data breaches by reporting critical misconfigurations and vulnerabilities for clients
  - Enhanced detection with adversary simulation, purple teaming, and automation using Atomic Red Team scripts for clients across Finance, technology, manufacturing, power and utilities, etc.
  - Led 30+ cybersecurity engagements across multiple sectors, prioritizing remediation based on risk and

business impact
- Conducted security assessments of web/mobile apps, APIs, and AI chat bots using multiple testing approaches and coordinated vuln fixes, uncovered Shadow IT through black box security assessments with custom tooling, assisted clients develop WAF rules for virtual patching
- Delivered detailed reports and actionable recommendations to developers and leadership

- **Contributor** – Contributor to OWASP GenAI Security Project (AI Vulnerability Scoring System - AIVSS); EPSS Special Interest Group (SIG) Member
- Law Enforcement: Gujarat Police Department (Feb 2016 – May 2016) – Consultant/volunteer for investigations of cybercrimes at office of Inspector General of Police, Gandhinagar Range

  - Forensic Science Laboratory, Govt of Gujarat - Digital Forensics Trainee
- Created **'ShortLink Scanner'** , a tool that scans large volumes of short URLs to identify those potentially leaking sensitive information. https://github.com/ashutosh771/shortlink-scanner

Industry Recognition:

- **Featured in** Coinbase Security Blog titled '10-Year Bug Bounty Program Celebration'
- **Rewards and Research Grant From Google:**
  - $1,337 Abuse Research Grant for Google Meet vulnerability research and other rewards
  - Rewarded for identifying a security-critical issue in Android eco system
- Hall of Fame & Rewards from Fortune 500, Academia & Leading Companies: Twitter, Coinbase, United Airlines (2M+ reward miles), Amazon AWS, JPMorgan Chase, IBM, Verizon, Nokia, Intel, Symantec, ING Bank, QuickHeal, NiceHash, Go Airlines, TrendMicro, FireEye HX, AVG Technologies, Avira, Harvard University, University of Cambridge, and others
- Recognitions from: NASA, United Nations, US Department of Defense, CERT-IN India, NCIIPC India, CERT-EU

CVE Contributions (10+ Published)

- CVE-2022-23746: Reported security flaw in Authentication process in CheckPoint SSL Network Extender
- CVE-2017-1000499: Critical CSRF in phpMyAdmin - Featured in The Hacker News and others
- CVE-2019-5638/5640: Multiple vulnerabilities in Rapid7 InsightVM/Nexpose enterprise security products
- CVE-2019-6120/6121/6122: Security flaws in NiceHash Miner affecting 100,000+ cryptocurrency miners
- CVE-2020-27585/27586/27587: Multiple vulnerabilities in QuickHeal Total Security v18.0

Speaking Engagements & Training:

- **INTERPOL–NFSU** Training Programme - Delivered training on Open-Source Intelligence (OSINT) techniques for Crime Investigation to law enforcement officers from 10 countries.
- **ET CISO Annual Conclave 7th Edition:** Delivered session on Advanced Command-Line Obfuscation techniques & Web Attack Case Studies to 100+ chief information security officers
- Training session on External Red Teaming Methodologies & Tactics at National Forensic Sciences University

Education:

- Master of Technology in Cyber Security and Incident Response, 2017
  National Forensic Sciences University **[NFSU]** [First Class with Distinction]
  - Final Year Dissertation topic - 'Analysis of Ransomware Families and Incident Response'
- Bachelor of Engineering: Computer Engineering: 2015
  Ahmedabad Institute of Technology, Ahmedabad CGPA - 6.7

Hobbies and Interests:

Farming, tree planting, martial arts (Taekwondo, Gōjū-ryū), trekking