

# Muhammad Zeeshan

*Lead Security Engineer*

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SOC Analyst with 4 years of hands-on experience in Security Operations, currently leading the internal SOC at Merik Solutions. Proven expertise in 24/7 SOC environments, handling end-to-end incident response, threat hunting, and escalations across network, host, and cloud. Strong focus on detection engineering, threat intel, and automation to enhance SOC efficiency and reduce response times. Looking forward to taking on a challenging SOC role where I can deepen my technical expertise, take on more complex investigations, contribute to advanced detection and response initiatives, and grow both personally and professionally.

## Certifications

The SecOps Group **Certified AppSec Practitioner (CAP)**.

The SecOps Group **Certified Network Security Practitioner (CNSP)**.

## Professional Trainings

CloudGuru **AWS solution Architect**.

CBT Nuggets **Network Plus**.

Linux **Linux Fundamentals**.

Cloudflare **Rate limiting/Detection rules and Playbook creation**.

Hacking **Website Hacking Penetration Testing & Bug Bounty Hunting**.

## Professional Skills

### **Detection Engineering**.

Gap Assessments, Threat Hunting, Threat Research, Security Hardening, Purple Teaming

### **Cloud Security & Assessments**.

AWS, Azure Sentinel, Microsoft Defender, Cloudflare, EC2, RDS, S3, IAM, VPC, SG, CF, ES, Lambda, LB and various other services

### **Intrusion Analysis/SIEM Tools**.

ELK Stack, Crowdstrike Falcon, Azure Sentinel, Cloudflare, Wazuh, Microsoft Defender, Qradar, Lacework, VIPRE

TCP/IP Protocols, Traffic Flow

### **AWS Security Tools**.

Guard Duty / Security Hub / AWS Security Hub / Amazon CloudTrail

### **Security Tools.**

Maltego, NMAP, Wireshark, Metasploit, Zscaler (policies setup etc), Azure DevOps, The Hive & Jira

### **Tool languages and Courses.**

Kibana Query Language, Kusto Query Language, Elastic Search Query, Python, C++, C, Computer Networks, Data Structures, Objected Programming, Information Security, Operating System

## **Experience**

Feb 2025 - **Lead Security Engineer**, *Merik Solutions*, Islamabad.

- Present
- Designed and deployed a full-featured internal SOC using open-source tools including **Wazuh**, **TheHive**, and **ELK stack**, enabling real-time monitoring and incident response.
  - Developed and implemented a comprehensive training roadmap for SOC analysts, including hands-on labs (e.g., buffer overflow scenarios), weekly vivas, and continuous assessments.
  - Conducted technical lectures and workshops on **Python-based automation** for log parsing, alert triage, and SOAR integrations to upskill the SOC team.
  - Led incident response tabletop sessions simulating real-world breaches to train the team in decision-making, escalation paths, and containment procedures.
  - Building analyst rosters and shift rotations to ensure 24/7 SOC coverage and effective incident handling.
  - Creating, tuning, and maintaining SIEM detection rules, including **MITRE ATT&CK**-aligned use cases and behavioral analytics.
  - Identified and managed **IOCs**, and developed detection/blocking rules in **CrowdStrike**.
  - Created **Jira** integrations with Wazuh solution for smooth tickets creations, managing alerts, tracking analysis and handling escalations.
  - Mentoring and coaching team members by identifying their strengths, assigning role-based responsibilities, and guiding their technical growth paths.
  - Taking active part in interviewing and hiring new SOC analysts, evaluating both technical and analytical capabilities aligned with team needs.
  - Leading the development of **AI-powered cybersecurity use cases** focused on threat detection and anomaly identification for **financial institutions**.
  - Conducting client meetings to assess security needs and propose tailored SOC solutions, strengthening business growth and technical trust.
  - Overseeing incident response workflows, refining alert pipelines, and integrating threat intel sources to improve response times and reduce false positives.
  - Continually improving internal SOC operations by identifying gaps, optimizing tooling, and aligning practices with **SANS**, **NIST**, and **MITRE** frameworks.

June 2022 - **Security Engineer, Ebryx, Lahore.**

- Feb 2025
- Continuously monitor **Network/Host** in **24/7 SOC environment** using a diverse set of continuous monitoring tools and **SIEM/EDR**.
  - Identification and investigation of **Logs/Events** and escalation of **security incidents**.
  - Effective & efficient execution of **SOC standard operating procedures**.
  - **Threat hunting, use-case creation, rate limiting**, and tuning of **SIEM** and **IDS** rules to detect potential security incidents.
  - Designed, developed, and maintained **Incident Response playbooks** as part of daily operations.
  - Conducted **AWS Security incident response** workshop to handle cloud-based threats.
  - Led **Cloudflare incident response** workshop for crown jewel asset protection and **rate limiting** configurations.
  - Developed **threat detection rules** in **ELK** and **Azure Sentinel** with automation using **Logic Apps** to enhance detection and response.
  - Created multiple **rate limiting rules and playbooks** in **Cloudflare**.
  - Led post-incident **remediation** and proposed actionable improvements after security incidents.
  - Performed **forensic analysis** of artifacts from compromised **machines/networks**.
  - Participated in and coordinated **vulnerability scanning** and **risk assessments**.
  - Used **MITRE ATT&CK** to analyze APT techniques and mapped detections over **Azure Sentinel Rules**.
  - Conducted deep analysis of **phishing emails** and **malware** using **static and dynamic analysis**.
  - Identified and managed **IOCs**, and developed detection/blocking rules in **CrowdStrike**.
  - Maintained client and team communication for tasks, changes, and delivered **weekly/monthly reports**.
  - Compiled and presented **Weekly/Monthly/Quarterly Threat Reports**.
  - Conducted research on latest **threats and attacks** and improved **DFIR skills** including **Windows Forensics, Incident Response, Pentesting, and Malware Analysis**.
  - Developed multiple **automation scripts** for **Slack** and **Azure Sentinel** to accelerate escalation and detection processes.
  - Set up a **VS Code Server on EC2** with **Nginx** for secure remote development.
  - Created an **automated vulnerability scanner** for Windows/Linux with **buffer overflow exploitation** as part of the final year project.

## Extracurricular Experience

**Namal University Mianwali, Mianwali, .**

President Cyber Security Awareness. / Head Education Wing. / Co-Head Education Wing.  
Responsibilities:

- Served as president of Society of Cyber Security Awareness
- Served as Head of Education wing Namal Environmental Society at Namal University Mianwali
- Served as Co-Head of Education wing Namal Society of Social Impact at Namal University Mianwali

**Youth LeaderShip Camp, Islamabad, .**

Responsibilities:

- Training at a Youth Leadership Camp, participating in workshops on leadership, team building, and personal development.

## **Education**

2018–2022 **BS-Computer Science**, *Namal University Mianwali, Final Year Project: Automated Network Penetrator.*

## **Awards and Achievements**

Ebryx Pvt. **Performer of the Quarterly.**  
Ltd.

## **Languages**

Urdu **Native**  
English **Bilingual**