

# Abel Thomas

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## SUMMARY

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Cybersecurity Analyst Fresher trained extensively in SOC methodologies and IT Infrastructure Security. Proven ability in log analysis, alert triage, and simulating threat scenarios in virtualized environments. Combines foundational ethical hacking knowledge with a unique perspective from MERN development to understand application vulnerabilities and build robust defense strategies. Eager to contribute practical skills immediately to incident response and threat analysis.

## AREAS OF EXPERTISE

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- **Security Operations & Incident Response:** Experience with alert triage, correlation, escalation processes, and investigating suspicious endpoint and network activity.
- **Cybersecurity Analysis & Threat Intelligence:** Understanding of attacker techniques, reconnaissance patterns, vulnerability concepts, and threat hunting fundamentals using OSINT.
- **SIEM & Log Monitoring:** Hands-on with Splunk and Wazuh for log ingestion, detection rule creation, alert investigation, and workflow automation with Shuffle SOAR and TheHive.
- **Network & Endpoint Monitoring:** Knowledge of TCP/UDP/ICMP, Windows event logs, Linux logs, and tools such as Wireshark and Nmap for traffic inspection.
- **Application Security & Web Testing:** Experience with **\*\*Burp Suite\*\*** for intercepting traffic, testing authentication/authorization flaws, scanning endpoints, and analyzing API behavior.

## TOOLS & TECHNOLOGIES

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- **SIEM:** Splunk, Wazuh
- **SOAR:** Shuffle, TheHive
- **Network Tools:** Wireshark, Nmap, Hydra, Burp Suite
- **Threat Intelligence:** VirusTotal, AbuseIPDB
- **Platforms:** Linux (Kali, Ubuntu), Windows 10/11, VirtualBox, VMware
- **Scripting:** Basic Bash, Basic Python
- **Development Knowledge:** JavaScript, Node.js, MongoDB

## SOFTWARE PROFICIENCY

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- **Microsoft Office Suite:** Word, Excel, PowerPoint, Outlook
- **Google Workspace:** Docs, Sheets, Slides, Gmail

## EDUCATION

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**BACHELORS OF COMPUTER APPLICATION**  
CMS College, Kottayam

2021 – 2024

## TECHNICAL TRAINING

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**CERTIFIED IT INFRASTRUCTURE & CYBER SOC ANALYST (CICSA)**  
RedTeam Hacker Academy, Ernakulam

2025

- Completed comprehensive training focused on core **SOC methodologies**, network defense, incident handling, and **IT infrastructure security**.
- Gained foundational knowledge in **Basic Ethical Hacking** principles, including reconnaissance and vulnerability identification, to understand the attacker mindset.

Prototype, Kochi

- Completed an intensive **self-learning program** focused on the MERN stack (MongoDB, Express.js, React, Node.js) for full-stack application development.
- Enhanced technical communication and problem-solving through regular participation in **interview-like reviews** and technical seminars.

## PROJECTS

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### Automated SOC Triage Pipeline (Wazuh, Shuffle, TheHive, VirusTotal).

- **Objective:** Engineered a Security Orchestration, Automation, and Response (**SOAR**) pipeline for automated incident triage, simulating **Mimikatz** credential dumping detection.
- **Tools Used:** **Wazuh** for detection, **Shuffle** for orchestration, **TheHive** for case management, **VirusTotal** for IOC enrichment.
- **Impact:** Reduced **MTTD/MTTR** by automating triage, enrichment, and analyst notifications.
- **Skills Demonstrated:** SOAR automation, TI correlation, SIEM configuration, Docker deployment, incident response.
- **Code:** [GitHub Repository]

### Snort and Splunk IDS Integration Project.

- **Objective:** Deployed and configured a complete **Network IDS** using **Snort** on Ubuntu and integrated alerts into **Splunk Enterprise** for centralized monitoring.
- **Setup Overview:** Snort (Ubuntu VM) generating alerts → Splunk UF forwarding logs → Splunk Enterprise (Windows 11) for indexing, dashboards, and alerting.
- **Detection Scenarios:** Custom rules successfully detected **port scans**, **SSH brute-force attempts**, and attacker traffic from a **Kali Linux** VM.
- **Impact:** Achieved full end-to-end IDS visibility, validating Snort rule creation, packet inspection, and SIEM integration workflows.
- **Skills Demonstrated:** Snort IDS configuration, rule tuning, UF log forwarding, dashboard creation, attack simulation in virtualized lab.
- **Code:** [GitHub Repository]

### Splunk Log Analysis for Real-Time Brute-Force Detection.

- **Objective:** Built a real-time **SSH brute-force detection** pipeline using Splunk with live attack traffic generated via **Hydra**.
- **Tools Used:** **Splunk UF** on Kali Linux, **Splunk Enterprise** Indexer, SPL for correlation queries.
- **Impact:** Implemented a reliable real-time alert (Trigger Count > 5), converting raw logs into actionable detections.
- **Skills Demonstrated:** Log ingestion, SPL query design, alerting logic, Linux UF configuration.
- **Code:** [GitHub Repository]

### Personal Portfolio Website (MERN Stack).

- **Objective:** Built a responsive portfolio site to showcase cybersecurity and MERN projects.
- **Tech Stack:** React, Node.js/Express, MongoDB; deployed on Vercel and Render.
- **Features:** Custom UI, project listings, contact API.
- **Live Site:** abelthomas.site