

# Abel Thomas

India, Kerala | abelthomas.pro@gmail.com | +918078429706 | LinkedIn | GitHub | Portfolio

## SUMMARY

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Cybersecurity Analyst with hands-on experience in log analysis, alert triage, threat monitoring, and basic offensive testing. Skilled in SIEM (Splunk, Wazuh), SOAR (Shuffle, TheHive), and threat intelligence enrichment with a strong MERN development background enabling deeper understanding of application behavior and security workflows.

## 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
- **Threat Intelligence:** VirusTotal, AbuseIPDB
- **Platforms:** Linux (Kali, Ubuntu), Windows 10/11
- **Scripting:** Basic Bash, Basic Python
- **Development Knowledge:** JavaScript, Node.js, MongoDB

## 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 the detection and processing of **Mimikatz** activity on a Windows endpoint.
- **Tools Used:** Integrated **Wazuh** (SIEM) for detection; **Shuffle** for orchestration via webhooks; **TheHive** for centralized case management; and **VirusTotal** for threat intelligence enrichment (SHA256 hash reputation).
- **Impact:** Achieved near-instantaneous alert processing, significantly reducing **MTTD** (Mean Time To Detect) and **MTTR** (Mean Time To Respond) by automating alert triage, IOC enrichment, and analyst notification via email.
- **Skills Demonstrated:** SOAR implementation, Threat Intelligence (TI) correlation, SIEM/HIDS configuration, Docker deployment, Incident Response Automation.
- **Code:** [GitHub Repository]

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

- **Objective:** Constructed a complete **SIEM pipeline** focusing on real-time threat detection of **SSH brute-force attacks** simulated using the **Hydra** tool against a Kali Linux target.
- **Tools Used:** Configured **Splunk Universal Forwarder (UF)** on Kali Linux to ingest logs into a Windows-hosted **Splunk Enterprise** Indexer; utilized **Search Processing Language (SPL)** for complex query creation.
- **Impact:** Developed and implemented a dependable Real-time Alert (Trigger Count > 5) on the `auth.log` data, successfully verified against live attack traffic, demonstrating proficiency in converting raw logs into **actionable threat detection**.
- **Skills Demonstrated:** Data Ingestion/Forwarder Setup (Linux UF), Advanced SPL query design, Real-Time Alerting, Log Correlation, Debugging data stream reliability.
- **Code:** [GitHub Repository]

### Personal Portfolio Website (MERN Stack)

- **Objective:** Developed and deployed a fully responsive personal portfolio website to showcase projects, skills, and cybersecurity experience.
- **Tech Stack:** **React** (frontend), **Node.js/Express** (backend), **MongoDB** (database), deployed using **Vercel** and **Render**.
- **Features:** Custom-built UI, project showcase, dynamic content management, contact form with backend API.
- **Impact:** Improved professional visibility and created a centralized platform to highlight MERN development and SOC-related work.
- **Live Site:** `abelthomas-portfolio.vercel.app`
- **Code:** [GitHub]