Olof Magnusson

Profile

Engineer with a solid foundation in IT and forensics, and a strong focus on the intersection of software engineering and cybersecurity. Experience in various programming languages, frameworks, and security-focused tools, libraries, and development environments.

Contact details

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Personal information

Citizenship: **Sweden**
Languages: **English** (Professional)

Skills

- Java, Javascript, C
- Assembly, Python, Latex
- ELK-stack, QRadar, Azure
- ProofPoint, Tanium, IDS
- Communication and team collaboration

Accomplishments

- Best Thesis Award (Halmstad)
- Recipient of the Kronan Savings Bank Foundation Scholarship
- Contributed a chapter to Decision Support Systems and Industrial IoT (Springer)

Experience

Amanuens at *Chalmers University (Sweden).*   **2022-2023**
◇ Supported course instructors with setting up lab environments, grading assignments, and providing technical assistance.

Security Analyst at *HCLTech (Sweden).*   **2022-2023**
◇ Worked with security operations and incident response. Involved in threat analysis, vulnerability management, and client communication.

Master thesis at *Swedish Defence Agency (Sweden).*   **2023-2023**
◇ Designed and implemented a framework to correlate known threat actor behaviors with software exploitation techniques, supporting threat intelligence and attribution efforts.

Security Analyst at *Combitech (Sweden).*   **2023–pres**
◇ Handle monitoring and incident management, including security assessments in various contexts. Design, implement, and tune detection rules across multiple platforms. Conduct threat hunting and write technical documentation for the Incident Response Team.

Education

Bachelor of Informatics. Faculty of Information Technology. *Halmstad University.*   **2016–2019**

Master of Informatics. Faculty of Information Technology. *Halmstad University.*   **2018–2019**

Software Engineering Faculty of Information Technology. *Uppsala University.*   **2019-2020**

Master in Software Engineering Faculty of Computer Science and Engineering. *Chalmers University of Technology.*   **2021-2023**

Projects

A Survey on Attacks and Defences on LoRaWAN Gateways   **2021**
◇ Decision Support Systems and Industrial IoT in Smart Grid, Factories, and Cities (Springer).

Implement and evaluate machine-learning methods on logs **2022**
◇ Project in collobration with Ublox and Chalmers University.

ThreatQueryX   **2025**
◇ A cross-platform desktop GUI tool that helps security analysts build and customize threat hunting queries for multiple platforms.

IocQueryX   **2025**
◇ A simple python script that generate platform-specific queries (e.g., AQL, Elasticsearch, Defender) from input lists of IP addresses, domain names, or file hashes.

Hobbies

Pentesting: Bug bounty and investigating security vulnerabilities.
Gym: Strength training and functional fitness.
Miscellaneous: Enthusiast of open-source and programming.