

# Augustin Renard

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Portfolio: [augmaster.github.io](https://augmaster.github.io)

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## SKILLS

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- **Offensive Security:** Penetration testing, privilege escalation, vulnerability assessment, OWASP Top 10, API security, SQLi/XSS, AD exploitation
- **Malware Analysis & Reversing:** Static/dynamic analysis, unpacking, x86 reversing, anti-reversing, Ghidra, Debugger
- **Incident Response & Forensics:** Digital forensics, memory analysis, Autopsy, Redline, Wireshark, Tcpdump
- **Development & DevOps:** Python, Rust, SQL, APIs, Docker, Git, Jenkins, AWS, GCP, CI/CD
- **Collaboration & Problem-Solving:** Jira, Slack, Teams, analytical thinking, debugging, technical writing, adaptability

## PROFESSIONAL EXPERIENCE

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- **Bell Canada** Montreal, Canada  
*Data Scientist* *May 2023 – July 2024*
  - **Reduced ETL processing time by 99% (130h to 1h):** by optimizing workflows in Airflow, significantly improving data consistency and operational reliability.
  - **Accelerated data extraction:** using GCP VortexAI, enhancing retrieval accuracy for datasets exceeding millions of records.
  - **Built internal APIs:** with Flask integrating LLMs, enabling seamless data flow across 10+ internal systems.
- **Services iNSiTu Inc.** Montreal, Canada  
*Full Stack Developer* *May 2022 – May 2023*
  - **Enhanced application security:** by implementing AWS Cognito, achieving 100% compliance with security best practices.
  - **Improved app performance:** by developing Python-based APIs, reducing latency and facilitating efficient communication between components.
  - **Streamlined deployment:** by containerizing applications with Docker, simplifying scalability across multiple production environments.

## EDUCATION

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- **Heriot-Watt University** Edinburgh, Scotland  
*MSc Applied Cyber Security (Thesis: From Data to Justice - Enhancing Forensic Tool Reliability)* *Sep. 2024 – Aug. 2025*
  - **Relevant Courses:** Intelligent Robotics, Computer Network Security, Advanced Network Security, Digital Forensics, Software Engineering, Databases
- **HEC Montréal** Montréal, Canada  
*BBA Information Technology* *Aug. 2018 – May 2022*
  - **Relevant Courses:** Programming for Business, Cybersecurity, Database Management, Business Application Development, Data Warehousing

## CERTIFICATIONS & PROJECTS

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- **TryHackMe** Online Platform  
*Jr Penetration Tester — Top 2% (140+ Rooms Completed)* *Feb. 2025*
  - **Extensive Hands-on Experience:** Conducted practical penetration testing covering Web security (OWASP Top 10, SQLi, XSS, authentication flaws), Network security (Active Directory exploits, Pass-the-Hash), Privilege Escalation (kernel exploits, Windows/Linux internals), and comprehensive Malware Analysis (static/dynamic reversing, binary unpacking, anti-debugging techniques).
  - **Security Tools & Techniques:** Gained proficiency in critical tools including Nmap, Metasploit, Burp Suite, SQLMap, Wireshark, Tcpdump, Autopsy, Redline, Ghidra, and IDA Pro.
- **RustReverser Personal Project** GitHub Repository  
*<https://github.com/Augmaster/RustyReverser>* *2025 – Present*
  - **Malware Simulation in Rust:** Developing modular, educational malware simulations in Rust to explore static/dynamic malware analysis, reverse engineering, anti-debugging techniques, and binary obfuscation.
  - **Reverse Engineering Practice:** Leveraging tools including Ghidra, Cutter, FLARE VM, and Cuckoo Sandbox to analyze Rust binaries, create YARA rules, and document insights into Rust-based malware threats.
- **AWS Certifications** Amazon Web Services  
*Developer Associate & Cloud Practitioner — Valid until Feb. 2026* *Issued 2022 – 2023*
  - **Cloud Application Development:** Built and managed scalable cloud-native applications, emphasizing best practices in AWS service integration, containerization (Docker), continuous deployment (CI/CD), debugging, and API development using AWS SDKs and CLI.
  - **Cloud Infrastructure Fundamentals:** Demonstrated strong foundational knowledge in cloud computing principles, AWS infrastructure, service selection, cloud deployment strategies, and AWS platform administration.
- **TinyML Professional Certificates** HarvardX (edX)  
*Fundamentals & Applications of TinyML* *Completed Mar. 2024*
  - **Edge AI Development:** Applied foundational TinyML principles to develop efficient machine learning models deployable on resource-constrained IoT devices, relevant to IoT security, embedded systems, and intelligent robotics.