



CONTACT

E r.shields@s-rminform.com
T +44 7788156269
T [linkedin.com/in/ryanshields2](https://www.linkedin.com/in/ryanshields2)

CERTIFICATIONS

GIAC: Certified Cloud Forensic Responder (GCFR), 2024

Blue Team Training, Blue Team Level 1 (BTL1), 2021

EC-Council, Certified Ethical Hacker, 2019

EC-Council, Certified Network Defender, 2019

Cellebrite, Certified Cellebrite Physical Analyst, 2017

TECHNICAL TRAINING

SANS, Enterprise Cloud Forensics and Incident Response, 2023

OpenText, Mac Forensics with EnCase, 2020

OpenText, Windows Forensics with EnCase, 2020

College of Policing, Core Skills in Data Recovery and Analysis, 2017

Control-F, Smartphone App Forensics, 2017

ACCREDITATIONS

Expert Witness Institute: Vetted Digital Forensics Expert (MEWI)

Ryan Shields

Senior Associate, S-RM Digital Forensics

PROFILE

Ryan Shields is an experienced digital forensics expert within S-RM's Digital Forensics team, with extensive experience leading digital forensic investigations in high profile and complex disputes. As a vetted digital forensics expert with the Expert Witness Institute, Ryan's work spans across a diverse range of industries and jurisdictions, where he specialises in presenting digital evidence from a range of data sources including computers, mobile devices, emails, and cloud-based evidence. He has acted as an expert in various criminal and civil matters, providing both written and oral testimony in court.

PROFESSIONAL EXPERIENCE

Senior Associate *April 2022 – present*
Digital Forensics
S-RM Intelligence & Risk Consulting

- Acts as an expert witness and advisor in criminal and civil litigation.
- Leads complex forensic investigations including forensic evidence collection and preservation, analysis, and expert reporting.
- Leads on complex forensic analysis of computers, mobile devices, emails, and cloud-based evidence. Examples include Windows, MacOS, iOS, Android, M365, Azure, Google Workspace, AWS, and social media.
- Ryan leads investigations into employee misconduct, IP theft and misuse of confidential information, cyber incident response, document falsification and evidence tampering, fraud, criminal defence, and a range of bespoke and sensitive private matters.

Senior Consultant *March 2021 – April 2022*
Cyber Incident Response
Deloitte

- Delivered post-incident remediation services including the implementation of detective and preventative security measures.
- Performs scaled forensic triage of computers and servers in response to cyber incidents.

Digital Forensic Examiner *November 2017 – March 2021*
Cybercrime Unit (DFU)
Police Scotland / Bedfordshire Police

- Performed routine collection, preservation and examination of computers, mobile devices, and cloud-based evidence.
- Provided written and oral testimony in court.

EDUCATION

University of Strathclyde: *2022*
MSc Cyber Security (with Distinction)
Glasgow Caledonian University: *2016*
BEng (Hons) Digital Security, Forensics and Ethical Hacking

EXPERT WITNESS TRAINING

Bond Solon: Excellence in Report Writing *2022*
Bond Solon: Courtroom Skills *2023*
Bond Solon: Discussions between Experts *2023*

EXPERT WITNESS EXPERIENCE

- Ryan was appointed as an expert in a multi-million-dollar unfair prejudice petition in which he investigated the authenticity of documents and chat messages. Ryan investigated evidence sources including an Apple MacBook, USB drives, document metadata, and chat databases to identify evidence of tampering. He also demonstrated to the court the methods available to tamper with the various evidence sources. His report on the matter of authenticity and tampering was critical for parties to reach a settlement.
- Served as an expert witness for an airline catering company seeking to freeze several million dollars following a business email compromise of a senior executive. Provided expert opinion on how the threat actor gained unauthorized access to the account and demonstrated the subsequent actions taken to facilitate the fraudulent activity. The expert report was critical in creating a timeline of the threat actor's activities, enabling counsel to successfully secure a freeze on the funds
- Acting as an expert witness in a high-profile civil claim into alleged hacking campaigns against a UAE investment authority. Provided expert opinion on the presence, and provenance, of material evidence stored on a laptop device. This matter is ongoing.
- Ryan is also appointed as an expert advisor in the high-profile Wirecard matter, where he is acting for a British national facing criminal charges in Singapore. As part of the Defence team, he provides strategic advice to legal counsel and supports the cross-examinations during live court proceedings. This matter is ongoing.