

Dr Paul Hunton CEng, BSc, MSc, D.Prof, FBCS

Expert Technical Witness | Digital Forensic Specialist | Cyber Crime and Security Consultant

Overview

I am an accomplished digital forensic expert and cybersecurity specialist who has focused on the investigation, examination and development of computer systems and data networks for more than 20 years. Prior to becoming an independent consultant, I spent over 18 years with UK law enforcement working extensively as a technical specialist. Building on a solid technical background, during my early IT career, I held the roles of technical systems analyst, software developer and data systems architect. My technical investigation skills are further broadened having also spent several years as a professional and academic researcher at the forefront in the development of large-scale computer data integration and analysis systems to deliver business and criminal intelligence. I have specialist knowledge of the Internet and its underlying technology with much of my early research focusing what is now the 'Cloud'.

Investigation Experience

I have a wealth of industry experience having been involved in numerous technical investigations ranging from complex civil disputes to serious international criminal cases. I have acted as an expert technical witness in civil legal proceedings and criminal cases for both the prosecution and the defence, and I have also acted as a single joint expert (SJE).

Delivering a wide range of expert technical services, I have extensive experience of a broad client base ranging from private individuals and small business to large corporate organisations, law enforcement agencies, financial institutes, international banking and trade bodies including the electronics, gaming, music, publishing, insurance, manufacture, automotive and maritime industries. Case experience includes website and software examination, data systems validation, electronic data theft, digital document provenance, Internet banking, industrial espionage, computer hacking, online harassment and defamation, denial of service and malware attacks, employee computer misuse, intellectual property theft and digital copyright.

Specialist Technical Skills

I have a comprehensive technical skillset combined with a wealth of case experience covering:

- Computer and digital forensics
- Static and mobile device examination
- Telecommunication system and networks
- Email systems and Servers
- Business data systems and software
- Electronic evidence capture and recovery
- Cybersecurity of IT and OT systems
- Computer networks and data servers
- Online communication and social networks
- Large-scale data storage systems and SQL databases
- Internet data examination and recovery
- Electronic document provenance
- Intellectual property theft and digital copyright
- Cyber breach investigation

Education and Professional Qualifications

As an expert witness, I hold three computer science degrees including a professional doctorate (D.Prof) in Business Intelligence Systems and Data Integration and Analysis Technologies, a Master of Science (MSc) degree in e-Business Technologies and a Bachelor of Science (BSc) degree in Business Computing. This is further supported by on-going professional development activities and the regular attendance on training courses and at conferences. I am also an

accredited Chartered Engineer (CEng) and a Fellow of the British Computer Society (FBCS). I am also an accredited trainer under the GCHQ accreditation scheme in the field of cybersecurity.

Publications and Academia

I am a published academic specialising in the field of cyber investigation and digital evidence recovery. I am a former member of the Professional Board for the journal of Computer Law and Security Review and my current academic research is focused on cybercrime and the digital investigation practices of securing reliable technical evidence. I am a part-time university lecturer having taught topics including digital forensics, cybercrime, Internet investigation and expert witness report writing. I am also the author of one of the first Maritime Cyber Risk Awareness courses to be specifically designed for the maritime industry and accredited under the GCHQ certified training (GCT) scheme.

Sample case highlights

R v James Skilling and others [2021]. Instructed in one of the first EncroChat case in the UK following the takedown of the communication network by the French Authorities and Europol, and brought to trial by the National Crime Agency.

CPD Powerlines Limited v Northern Ireland Electricity Networks Limited [2021]. Instructed to consider the electronic tendering processes and systems in a high valued commercial dispute.

DSG Retail Ltd [2020]. Instructed in the class action involving the largescale data breach of Currys and PC World store data and IT systems, which lead to the loss of personal and financial data.

Undisclosed [2020]. instructed in an international government corruption case involving the embezzlement of a large financial sum by senior government officials.

British Airways [2020]. Instructed in the class action against British Airways involving the largescale loss of personal and financial data surrounding their website.

Huawei Technologies Co [2019]. Instructed in the matter against the Canadian Royal Mounted Police in relation to the arrest of Huawei's chief financial officer Meng Wanzhou.

R v Mohammed Khilji [2018]. Instructed in the case of Khilji charged under the Terrorism Act with the creation and dissemination of terrorist material in the form of digital media. Khilji was convicted for encouraging terrorism.

Ryanair v Google [2017]. Instructed in the challenge raised by Ryanair relating to Google's AdWord programme.

Tourplan Pacific Ltd v Australian Tours Management Pty Ltd [2017]. Instructed to assist with the complex technical issues surrounding an international software copyright dispute of a global travel management system.

R v Elliot Hyams and Others [2016]. Instructed by the defence in one of the first UK trials relating to the infamous Dark Web online marketplace 'Silk Road'. Working in the New York offices of the Federal Investigation Bureau (FBI), I examined and reviewed the investigation processes, data handling practices and the reliability of electronic evidence produced during the FBI's investigation of the 'Silk Road' website and Bitcoin servers.

Nicociqs Limited v Fontem Holdings 1 BV and Fontem Ventures BV [2016]. Instructed in a high value patent claim to provide a pivotal role in examining the reliability and provenance of complex technical evidence. My technical analysis established that the claimant's highly reputable technical experts' findings were incorrect and fundamentally flawed.

R v Adam Johnson [2016]. Acting for the prosecution in the case of the Sunderland and England international footballer Adam Johnson, instructed to provide expert technical case consultancy including the forensic recovery and examination of pertinent electronic evidence, expert reporting and court testimony. Johnson was convicted of sexual offences.

Orb a.r.l. and ors v Ruhan [2015]. Instructed by the claimant in a £100m commercial dispute to establish the reliability and provenance of digital documentation and provide other expert technical investigation and assistance.

R v John O'brien and Others [2015]. Instructed by a national UK law enforcement unit in a high profile international organised crime gang case that involved the theft of £57m of museum exhibits and artefacts from several museums. I acted as expert technical case consultant for the investigation and conducted digital forensic examination of key exhibits and delivered expert court testimony. Fourteen (14) gang members were subsequently convicted.

Harbour Supplies Limited v Jeremiah Strongarm Limited [2014]. Instructed by the Respondent to re-examine computer systems and electronic data previously examined by digital forensic experts acting for the Claimant. Following re-examination, discrepancies in the Claimant's technical expert's examination processes were identified that resulted in sections of technical evidence being amended or withdrawn.

R v Undisclosed Youth [2013]. Instructed to provide expert technical analysis in a complex computer hacking case by an alleged member of the hacking group 'Anonymous'.

Undisclosed [2012]. Instructed in a matter involving the on-line digital evidence capture and the covert test-purchase recovery of property associated with a high-profile individual and belonging to a Formula 1 race team.

R v Alan Ellis [2009]. Acting on-behalf of the British Phonographic Industry (BPI) and the International Federation of the Phonographic Industry (IFPI) in the first UK criminal investigation into online music piracy and the 'Oink' website.

Contact Details

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