

# THOMAS MARRYAT

## DIGITAL DEVICE SPECIALIST

### QUALIFICATIONS

📖 Bachelor of Science (Honours) in Software Engineering, University of Durham

📖 Member of The Institution of Engineering and Technology

### CAREER OVERVIEW

Mr Marryat has been employed by Keith Borer Consultants as a digital device specialist since 2007.

### EXPERIENCE AND EXPERTISE

Mr Marryat prepares approximately 50-60 reports each year, predominantly in cases involving telecommunications evidence for use in criminal matters throughout the UK and Republic of Ireland. He has also prepared reports for military, prison, civil, Police disciplinary and Coroner's hearings.

Mr Marryat has been commended for his approachable manner, his advice and ability to progress cases as well as his clarity in explaining technical issues.

He examines electronic devices, telephone connection records and performs cell site analysis including:

- Examination and interpretation of evidence from smartphones (i.e. iPhone and Android handsets), feature and dumb phones.
- Evaluation and usage of advanced techniques for physical acquisition of devices; direct EMMC reads, In-Service Programming (ISP), JTAG (Joint Test Action Group), etc.
- Bespoke testing of handsets and applications to identify capabilities, limitations and operation.
- Reverse engineering of applications and platforms to identify their storage patterns and capabilities.
- Examination of other small scale digital services such as satellite navigation units, audio bugs, digital cameras and Dictaphones.
- Examination and extraction of data from Cloud services (e.g. iCloud).
- Examination and interpretation of call data records and connection behaviour including connection frequency charting.
- Collection and analysis of cell site readings.
- Interpretation of Best Server Plots (BSPs) and Single Server Plots (SSPs).
- Examination of attribution information of telephones to users.

Mr Marryat has received training and conducted research into cell site propagation, planning, network protocols and implementation. He has experience mining cryptocurrencies and maintains an active interest in blockchain technologies. At Keith Borer Consultants, Mr Marryat undertakes continuous professional development through attendance at digital forensics seminars and workshops, research and online participation in technical forums, and other specific technical training. He has been published in Small Scale Digital Device Forensics Journal (SSDDFJ). He has completed the Bond Solon Court Skills and Cross-Examination courses.

### CONTACT

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