

<b>Job description</b>	
<b>Job Title</b>	Technical Specialist
<b>Main purpose of the role</b>	To take responsibility for research and development within this busy digital forensics training company, ensuring that both training and service offerings are leading edge.
<b>About the Company</b>	Control-F is a digital forensics company offering scheduled and on-site training courses to digital forensic examiners, primarily in law enforcement
<b>Location</b>	This role will be based at the company's head office, 30 mins drive from Cambridge, the heart of "Silicon Fen".
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Competitive salary</li> <li>• Performance-based annual salary review</li> <li>• Defined contribution pension scheme</li> <li>• Opportunities for home working (subject to agreement)</li> <li>• 22 days annual leave + 8 public holidays, increasing by 1 day per year of service (up to max. of 25 days annual leave + 8 public holidays)</li> <li>• Flexitime</li> <li>• Health cash plan</li> </ul>
<b>Reports to</b>	Managing Director
<b>Direct Reports</b>	No direct reports at this time
<b>Key Responsibilities and Deliverables</b>	<p>Lead Research &amp; Development for new and existing training products</p> <ul style="list-style-type: none"> <li>• Perform research and development activities to ensure content of new and existing training courses are current and relevant</li> <li>• Analyse and reverse engineer existing software applications to understand their operation and to facilitate decoding of application artefacts</li> <li>• Undertake and maintain leading capabilities in decryption and password cracking</li> <li>• Undertake research on new technologies and techniques as input for new Control-F products</li> </ul> <p>Design and implement software solutions (through in-house development and external sourcing) for training products</p> <ul style="list-style-type: none"> <li>• Write software utilities for use during Control-F training courses</li> </ul>

	<ul style="list-style-type: none"> <li>• Write software to decode and decrypt data recovered from mobile devices, computers and other electronic devices</li> </ul> <p>Provide support to trainers and delegates within the classroom during training courses</p> <ul style="list-style-type: none"> <li>• Perform the role of classroom assistant on Control-F courses</li> </ul>
<b>Other Responsibilities</b>	<ul style="list-style-type: none"> <li>• Maintain knowledge of state-of-the-art techniques in relation to mobile device forensics</li> <li>• Attend industry events and conferences including engaging with customers on the company exhibition stand</li> <li>• Work with colleagues to ensure classroom IT equipment is ready for course delivery</li> <li>• Work with colleagues to configure and prepare devices and equipment for use within training courses</li> </ul>
<b>Working Relationships</b>	<p>This position involves working closely with:</p> <ul style="list-style-type: none"> <li>• Managing Director to agree research and development priorities and timescales</li> <li>• Training Content Manager to: <ul style="list-style-type: none"> <li>○ Identify technical requirements for new and existing training courses</li> <li>○ Integrate results from R&amp;D activities into training materials</li> </ul> </li> </ul>
<b>Major Challenges</b>	<p>Digital forensics is driven by the relentless change within the consumer technology industry – new devices and new software versions continuously affect what is possible in relation to data retrieval and interpretation. The successful candidate must have a keen interest in “tech” and have a desire to keep themselves up to date with device capabilities and exploitation techniques.</p> <p>Working in a small company the Technical Specialist will need to embrace wearing lots of “hats” as the role will involve a variety of different responsibilities that go beyond their technical skills.</p>
<b>Career Progression</b>	<p>Opportunities for progression are available in this small but growing company. Specifically, the successful candidate will be supported in developing their teaching skills to better support Control-F training courses.</p>
<b>Date of Preparation</b>	11 August 2020
<b>Date Revised</b>	24 August 2020

## Person Specification

Criteria	Essential	Desirable
Education and Qualifications	<p>2 x A-Levels</p> <p>7 x GCSEs including A or B in English and Maths</p>	<p>Degree in Computer Science or Software Engineering</p> <p>Successful completion of recognised training courses in digital forensics</p>
Experience, Knowledge and Skills	<p>Programming experience in Python and C/C++ or Java</p> <p>Knowledge of database design and database platforms</p> <p>Practical SQL experience</p> <p>Excellent written English</p> <p>Clear and confident verbal communicator</p> <p>Ability to manage multiple ongoing work activities to ensure deadlines are met</p> <p>Keen interest in technology and consumer electronics</p>	<p>Knowledge of cryptography</p> <p>Practical experience of password cracking and decryption</p> <p>Reverse engineering, static and dynamic analysis using IDA Pro or Frida or similar</p> <p>Previous hands-on experience of digital forensics</p> <p>Experience of delivering presentations or training</p> <p>Previous experience of jailbreaking and rooting mobile devices</p>
Personality, Character Traits and Disposition	<p>A proven problem-solver</p> <p>Ability to work effectively within a small team</p> <p>“Can do” customer-focussed attitude</p> <p>Personable and approachable demeanour – at ease talking to customers within the classroom or at industry events</p>	

Miscellaneous	Proof of the right to work in the UK will be checked  Satisfactory references must be provided	A full clean driving licence and access to own transport would be an advantage
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