

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

	<ul style="list-style-type: none"> • Write software to decode and decrypt data recovered from mobile devices, computers and other electronic devices <p>Provide support to trainers and delegates within the classroom during training courses</p> <ul style="list-style-type: none"> • Perform the role of classroom assistant on Control-F courses
Other Responsibilities	<ul style="list-style-type: none"> • Maintain knowledge of state-of-the-art techniques in relation to mobile device forensics • Attend industry events and conferences including engaging with customers on the company exhibition stand • Work with colleagues to ensure classroom IT equipment is ready for course delivery • Work with colleagues to configure and prepare devices and equipment for use within training courses
Working Relationships	<p>This position involves working closely with:</p> <ul style="list-style-type: none"> • Managing Director to agree research and development priorities and timescales • Training Content Manager to: <ul style="list-style-type: none"> ○ Identify technical requirements for new and existing training courses ○ Integrate results from R&D activities into training materials
Major Challenges	<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>
Career Progression	<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>
Date of Preparation	11 August 2020
Date Revised	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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