

BTS SYSTEMS DEVELOPER GRADUATE APPRENTICE			
Reference No.	A4016	Type:	Generic
Service	Business Technology Solutions		
Job Family	Para-professional	Grade	FC4-FC6

Purpose
<p>The design, creation, testing and documenting of new and amended software components in accordance with agreed development and security standards and processes.</p> <p>Assisting in the specification and design of information systems to meet defined business needs.</p> <p>The design or selection of components.</p>

Task or Responsibility - For this role, there is an expectation that all, or a combination, of the following will be undertaken:	Person Specification: Skills, Knowledge, Qualifications or Experience - Criteria can apply to more than one task or responsibility	E	D
<p>Developing and maintaining applications written in a number of different languages and deployed on a variety of platforms. Identifying and resolving problems with applications. Testing and documenting solutions. Assisting more senior staff with analysis and design work as directed.</p>	<p>Four SQA Highers at Grade B or above (or equivalent at SCQF Level 6) subjects to include Computing or Maths.</p> <p>Relevant work experience (subject to application and supporting evidence).</p> <p>Basic Disclosure.</p>	<p>✓</p> <p>✓</p> <p>✓</p>	
<p>Designing, coding, testing, correcting, and documenting moderately complex programs and scripts from agreed specifications using agreed standards and tools. Collaborating in reviews of specifications, with others as appropriate.</p>	<p>Awareness of one or more software development languages through course work or self-study e.g.</p> <ul style="list-style-type: none"> • Python • Basic (e.g. Visual Basic) 	<p>✓</p>	

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	<ul style="list-style-type: none"> • Java • JavaScript 		
Configuring software and testing platform-specific versions of one or more software products. Reporting the outcome of testing and identifying potential improvements to the process and to the software products according to agreed designs and standards.	Awareness of developing test plans, carrying out testing and analysing results e.g. <ul style="list-style-type: none"> • Usability testing • Compatibility testing 		✓
Developing specialist knowledge of database concepts, object and data modelling techniques and design principles. Translating object and data models into appropriate database schemas within design constraints. Producing database components as required.	Awareness of database technologies e.g. <ul style="list-style-type: none"> • Microsoft Access • SQL 		✓
Applying data analysis and data modelling techniques establishing, modifying or maintaining a data structure and its associated components (entity descriptions, relationship descriptions, attribute definitions).	Awareness of data modelling techniques e.g. <ul style="list-style-type: none"> • Entity modelling 		✓
Specifying user/system interfaces, and translating logical designs into physical designs. Producing detailed designs and documents all work.	Ability to translate logical designs into physical solutions		✓
Assisting the manager in ensuring high standards of service delivery by working to agreed quality standards and providing input and advice in the development of emerging standards.	Quality assurance knowledge Ability to make decisions under pressure		✓ ✓
Learning and adapting to complex software environments, completing tasks on time and to agreed quality standards.			
Maintaining and developing knowledge and competence within the IT environment.	Awareness of an IT environment including the necessary infrastructure components required to run a software solution		✓

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Managing own workload to ensure completion of projects, work packages and business as usual activities.	Time management Organisational skills	✓ ✓	

Additional tasks or responsibilities – this is a generic role, however this particular job may also require you to undertake the following:			
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Graduate Apprentice (Specialists Tasks)			
A Graduate Apprenticeship (GA) is a work-based training programme that leads to an industry approved qualification. As part of the job role	Candidates for this role must be resident in Fife and be between the ages of 16-24.	✓	

the post holder will be expected to attain a BSc (Hons) SCQF Level 10 qualification in Software Development.

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Role Profile

Type of Protection of Vulnerable Groups Scheme (PVG Scheme) or Disclosure Check required

Before confirming appointment: You may be required to obtain a Basic Disclosure check. Please refer to the job advert for clarification of the specific requirement.

Additional Information – the following information is included in appendices:

- Skills Framework (if applicable)
- How we work matters

Expected Behaviours – It is essential that you display the following behaviours as they are expected of all our employees:

- Take Ownership
- Focus on Customers
- Work Together
- Embrace Technology & Information
- Deliver Results