



## RESEARCH AND DEVELOPMENT JOBS

### **Electronics Engineer**

Designs, develops, assembles and tests electronic systems, components and equipment.

### **Electrical Engineer**

Designs and develops electrical and communications systems.

### **Hardware Engineer**

Involved in the design, implementation and testing of hardware, such as circuits, components and systems, etc.

### **Systems Analyst**

Analyses the customer's requirements to help identify what type of ICT solutions they need. The customer's requirements are then communicated to the Systems Architect, Software Engineer and/or Applications Programmer.

### **Software Architect**

Puts together the skeleton of a software project and controls the overall design.

### **Software Engineer**

Designs and programs software, such as operating systems, database management systems and embedded systems.

### **Software/Applications Programmer**

Designs and writes computer programs in code using a programming language, such as Java, .Net and C++

### **Test Engineer**

Tests the functionality and quality of ICT products and systems by defining testing protocols and methodologies, performing the actual testing, and identifying problems.

### **Web Designer**

Designs and develops content for the web, including text, images, and site architecture.

### **Multimedia Designer/Animator**

Designs and develops applications and technologies that manipulate text, data, images, and voice and full motion video objects.

### **Technical Writer**

Authors hardware and software documentation with the main responsibility of producing user documentation files, sometimes called 'Help' files.