software developer

Description

Code

2512.3

Description

Software developers implement or program all kinds of software systems based on specifications and designs by using programming languages, tools, and platforms.
Scope note
Includes people performing software design.

Alternative Labels

application developer
application programmer
applications engineer
application software developer
developer of software
programmer
soft developer
software developers
software engineer
software specialist
solutions developer

Regulatory Aspect

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission.
Regulated Professions Database:
http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en

Skills & Competences

Essential Skills and Competences

analyse software specifications | create flowchart diagram | debug software | define technical requirements | develop automated migration methods | develop software prototype | identify customer requirements | interpret technical requirements | manage engineering project | perform scientific research | provide technical documentation | use software design patterns | use software libraries | use technical drawing software | utilise computer-aided software engineering tools

Essential Knowledge

ICT debugging tools | computer programming | engineering principles | engineering processes | integrated development environment software | project management | technical drawings | tools for software configuration management

Optional Skills and Competences

adapt to changes in technological development plans | collect customer feedback on applications | design user interface | develop creative ideas | integrate system components | migrate existing data | use automatic programming | use concurrent programming | use functional programming | use logic programming | use object-oriented programming | utilise machine learning

Optional Knowledge

ABAP | AJAX | APL | ASP.NET | Ansible | Apache Maven | Assembly (computer programming) | C# | C++ | COBOL | CoffeeScript | Common Lisp | Eclipse (integrated development environment software) | Erlang | Groovy | Haskell | ICT security legislation | Internet of Things | Java (computer programming) | JavaScript | Jenkins (tools for software configuration management) | KDevelop | Lisp | MATLAB | ML (computer programming) | Microsoft Visual C++ | Objective-C | OpenEdge Advanced Business Language | PHP | Pascal (computer programming) | Perl | Prolog (computer programming) | Puppet (tools for software configuration management) | Python (computer programming) | R | Ruby (computer programming) | SAP R3 | SAS language | STAF | Salt (tools for software configuration management) | Scala | Scratch (computer programming) | Smalltalk (computer programming) | Swift (computer programming) | TypeScript | VBScript | Visual Studio .NET | World Wide Web Consortium standards | Xcode | object-oriented modelling | software anomalies

Concept URI

Concept Uri

http://data.europa.eu/esco/occupation/f2b15a0e-e65a-438a-affb-29b9d50b77d1

Status

released

Change log

From v1.0.8 to v1.1.0: