



PROFILE SHEET WSP-G3-017 “MOBILE APPLICATION DEVELOPER”

G3 Web Skills Profiles - version 2.0

Generation 3 European ICT Professional Profiles

Appendix to the official specification of 30 June 2014

Current version: <http://www.skillprofiles.eu/stable/g3/en/v2/profiles/WSP-G3-017.pdf>

Previous version: <http://www.skillprofiles.eu/stable/g3/en/v1/profiles/WSP-G3-017.pdf>

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Profile WSP-G3-017. Mobile Application Developer

This section is normative.

The profile sheet, listed below and described in appendix B, is an integral part of the document, "G3 Web Skills Profiles - version 2.0 - Generation 3 European ICT Professional Profiles", official specification of 30 June 2014" [WSPG3-03].

Profile WSP-G3-017	Mobile Application Developer
Summary statement	Professional position that creates/codes application solutions for mobile peripherals and writes application specifications for mobile peripherals in accordance with customer requirements.
Mission	The Mobile Application Developer ensures the reliability and implementation of applications for mobile peripherals. He or she helps plan and define application details. He or she conducts functional verification simulations for applications to ensure maximum functionality and efficiency.
Deliverables	<p>Accountable (A)</p> <ul style="list-style-type: none"> • Mobile application creation. <p>Responsible (R)</p> <ul style="list-style-type: none"> • Mobile application design. • Identification of solutions for errors. <p>Contributor (C)</p> <ul style="list-style-type: none"> • Mobile application functionality testing. • Mobile application implementation.
Main tasks	<ul style="list-style-type: none"> • Develop mobile application components. • Engineer mobile application components. • Adapt documentation. • Provide support in the testing phase and later phases. • Debug applications and suggest improvements.
E-CF competences	<ul style="list-style-type: none"> • B.1. Application Development: Level e-3. • B.2. Component Integration: Level e-2. • B.3. Testing: Level e-2. • B.5. Documentation Production: Level e-3. • C.4. Problem Management: Level e-3. • D.12. Digital Marketing: Level e-3.
Skills / Knowledge	<p>Technical</p> <ul style="list-style-type: none"> • Knowledge of the metrics related to mobile application development.

	<ul style="list-style-type: none"> • Knowledge of mobile application development methods and their logic (e.g. prototyping, agile methods, reverse engineering, etc.). • Ability to assess the use of prototypes to support assessment of the development requirements. • Ability to transform existing Web applications into applications for mobile peripherals. • Ability to manage and ensure a high level of consistency and quality in the development of complex mobile applications on various platforms. <p>Informatics</p> <ul style="list-style-type: none"> • Knowledge of procedures for designing and creating user interfaces for mobile peripherals. • Knowledge of one or more programming languages for mobile environments (e.g. Objective-C, Java, etc.). • Knowledge of mobile application publication procedures. <p>Strengthening</p> <ul style="list-style-type: none"> • Knowledge of the specific frameworks for application development. • Ability to interact with database applications. • Skill in mobile application portability to various platforms.
Key Performance Indicators (KPIs)	<ul style="list-style-type: none"> • Completely functional mobile applications. • Problem solving intervention time. • Adaptability of the product to various mobile interfaces.
Qualification / Certifications <i>(this section is informative)</i>	<ul style="list-style-type: none"> • Mobile Development Institute Certified Developer (MDICD).
Attitudes (non ICT) <i>(this section is informative)</i>	<p>Interpersonal and Organizational</p> <ul style="list-style-type: none"> • Management of critical situations. • Problem solving. <p>Linguistic</p> <ul style="list-style-type: none"> • Good knowledge of the national language or the language used by the working group - minimum level: C1 QCER. • Good knowledge of the English language - minimum level: B2 QCER.
Relationships / Reporting line <i>(this section is informative)</i>	<p>Interacts with:</p> <ul style="list-style-type: none"> • Web Project Manager • Web Account Manager • Web Community Manager • Web Content Specialist • Information Architect

- Web Accessibility Expert
- Web Security Expert

Reports to:

- User Experience Designer

Appendices

Appendix A. Glossary

Informational (informative)

for the purposes of information and not required for compliance.

Note: The content required for compliance is referred to as "normative".

normative

Required for obtaining compliance.

Note: Content listed as "informative" or "non-normative" is never necessary for compliance.

Annex B. Profile sheet structure

The Web skills profiles are identified by an unambiguous code and are structured in reference to paragraph 4.2 of the CWA CEN document, "European ICT Professional Profiles" [CWA-01] updated upon European e-Competence Framework 3.0 [CWA-02].

- **Profile Title.** Name - including the identification code - of the Web skill profile according to the unambiguous international catalogue from the IWA/HWG.
- **Summary statement.** Lists the primary purpose of the profile. The purpose is to give all stakeholders and users a brief, concise description of the specified Web skill profile, written in a form understandable by ICT professionals, managers, and Human Resources staff.
- **Mission.** Describes the basic assignment of the profile. The purpose is to specify the working role defined in the Web Skill Profile.
- **Deliverables.** Describes the documents produced by the job description as accountable (guarantee), responsible (support), and contributor (contribution).
- **Main tasks.** Provides a list of typical tasks carried out by the profile. A task is an action undertaken to achieve a result in a broadly defined context and contributing to the definition of the profile.
- **E-CF competences.** Provides a list of the skills necessary (taken from the e-CF references) to carry out the assignment. A skill is the outcome of the previous definition of the Profile and helps to differentiate profiles.
- **Skills / knowledge.** A list of abilities and knowledge necessary for the definition of the profile, subdivided into technical, informatics, and strengthening (improving abilities for the profile).
- **Key Performance Indicators (KPIs).** Based on KPI (Key Performance Indicators), the area of application of the KPI is a more generic indicator, consistent with the grade level of the overall profile. It applies for adding depth to the assignment.

- **Qualification / Certifications.** These are the recommended, but not essential, qualifications and certifications for carrying out the activities in the profile. However, these qualifications and certifications may be used for developing knowledge of specific skills within the profile. This section is for informational purposes.
- **Attitudes (non ICT).** A list of aptitudes supporting the abilities and knowledge, subdivided into interpersonal/organizational and linguistic. This section reports references to the QCER [CE-01], which promotes the understanding of specific language certifications. This section is for informational purposes.
- **Relationships / Reporting line.** A list of Web skills profiles and not with whom the profile discusses (relationships) or reports (reporting lines). This section is for informational purposes.

Annex C. References

[CC-01]	Creative Commons <i>Attribution-ShareAlike 4.0 International (CC BY-SA 4.0)</i> http://creativecommons.org/licenses/by-sa/4.0/deed
[CE-01]	Council of Europe <i>Common European Framework of Reference for Languages: Learning, Teaching, Assessment (CEFR) (January 2002)</i> http://www.coe.int/t/dg4/linguistic/CADRE_EN.asp
[CWA-01]	CEN (European Committee for Standardization) <i>CWA 16458:2012 European ICT Professional Profiles updated by e -CF version 3.0 competences (March 2014)</i> http://relaunch.ecompetences.eu/wp-content/uploads/2013/12/EU_ICT_Professional_Profiles_CWA_updated_by_e_CF_3.0.pdf
[CWA-02]	CEN (European Committee for Standardization) <i>CWA 16234:2014 Part 1. European e-Competence Framework 3.0. A common European Framework for ICT Professionals in all industry sectors (March 2014)</i> http://ecompetences.eu/wp-content/uploads/2014/02/European-e-Competence-Framework-3.0_CEN_CWA_16234-1_2014.pdf
[WSPG3-01]	IWA (International Webmasters Association) <i>G3 Web Skills Profiles - version 2.0 Generation 3 European ICT Professional Profiles Official specification of 30 June 2014 (English version)</i> http://www.skillprofiles.eu/stable/g3/en/2013-06-30.pdf