



PROFILE SHEET WSP-G3-009 “FRONTEND WEB 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-G3-009.pdf>

Previous version: <http://www.skillprofiles.eu/stable/g3/en/v1/profiles/WSP-G3-009.pdf>

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Profile WSP-G3-009. Frontend Web 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-G3-009	Frontend Web Developer
Summary statement	Professional position that creates and/or codes Web-based interfaces in accordance with customer requirements.
Mission	The Frontend Web Developer is responsible for creating and implementing Web based interfaces with special attention to customer specifications and the target use. He or she contributes to planning and defining the server side output together with the Server Side Web Developer and/or the Web DB Administrator. He or she implements security for the interface by approval from the Web Security Expert.
Deliverables	Accountable (A) <ul style="list-style-type: none">• Creation of Web interfaces. Responsible (R) <ul style="list-style-type: none">• Documentation of the implementation required to create the Web interfaces. Contributor (C) <ul style="list-style-type: none">• Development description of the Web interface implementation.• Test procedures.• Existing solution.
Main tasks	<ul style="list-style-type: none">• Develop Web interfaces.• Prepare the Web interface design.• Engineer the components within the Web interfaces.• Test the interfaces.
E-CF competences	<ul style="list-style-type: none">• B.1. Application Development: Level e-3.• B.3. Testing: Level e-3.
Skills / Knowledge	Technical <ul style="list-style-type: none">• Knowledge of metrics related to Web interface development.• Ability to assess the use of Web interface prototypes to support assessment of the development requirements.

	<ul style="list-style-type: none"> • Ability to assess the suitability of various application development methods in relation to the current scenario. <p>Informatics</p> <ul style="list-style-type: none"> • Mark-up and style sheets (e.g. XHTML, HTML and CSS) • Scripting languages (e.g. ECMA Script). • ISO/IEC 40500:2012 - Information technology -- W3C Web Content Accessibility Guidelines (WCAG) 2.0. <p>Strengthening</p> <ul style="list-style-type: none"> • Knowledge of the DOM. • Knowledge of RDF-A. • Knowledge of graphics development programs. • Knowledge of issues related to the internationalization of Web interfaces. • Basic knowledge of laws applicable to the Web (e.g. copyright, privacy).
<p>Key Performance Indicators (KPIs)</p>	<ul style="list-style-type: none"> • Time and quality in providing a Web based solution. • Time and quality of problem resolution.
<p>Qualification / Certifications <i>(this section is informative)</i></p>	<ul style="list-style-type: none"> • “CIW (Certified Internet Web Professional) - Web Design Specialist” Certification. • SCRUM - PSD (Professional Scrum Developer) / CSD (Certified Scrum Developer).
<p>Attitudes (non ICT) <i>(this section is informative)</i></p>	<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: B1 QCER. • Good knowledge of spoken and written English - minimum level: B2 QCER.
<p>Relationships / Reporting line <i>(this section is informative)</i></p>	<p>Interacts with:</p> <ul style="list-style-type: none"> • Web Business Analyst • Search Engine Expert • Server Side Web Developer • Web Content Specialist • Web Accessibility Expert • Information Architect • Mobile Application Developer <p>Reports to:</p> <ul style="list-style-type: none"> • 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