

**1. TITLE OF THE CERTIFICATE (HU)**

54-213-05 Szoftverfejlesztő

**2. TRANSLATED TITLE OF THE CERTIFICATE (EN)**

Software developer

(THIS TRANSLATION HAS NO LEGAL STATUS)

**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- manage and operate computers;
- install and use software;
- install, maintain and use office multimedia and communications applications;
- perform activities related to work organisation;
- design and develop applications (software);
- identify the resources and the time required;
- test and document applications (software);
- explore the infocommunication environment;
- perform program integration tasks;
- perform programming tasks (individually or in group);
- plan and manage databases;
- install and use IT security devices.

**4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE**

2144 Application programmer  
3141 Technician managing IT and communications systems  
2149 Other software and application developer and analyst  
2151 Database designer and operator

**(\*) Explanatory notes:**

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: <http://europass.cedefop.europa.eu/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry of National Development</p>																												
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p><b>ISCED2011 code:</b> 4</p> <p><b>NQF level:</b> 5</p> <p><b>EQF level:</b> 5</p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																												
<p><b>Certificate number:</b> PT K</p> <p>Serial number: 123456</p> <p><b>Certificate issue date:</b> 2020.11.27</p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Central written examination</td> <td style="width: 40%;">Programming and database management</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 30%; text-align: center;">20.00</td> </tr> <tr> <td>Oral examination</td> <td>Software development and Web development I.</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Oral examination</td> <td>English for Information Technology</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Creation of a complex application</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</td> </tr> <tr> <td>Practical examination</td> <td>Creation of a web application</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Presentation and defense of the final thesis</td> <td style="text-align: center;">5</td> <td style="text-align: center;">30.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>	Central written examination	Programming and database management	5	20.00	Oral examination	Software development and Web development I.	5	10.00	Oral examination	English for Information Technology	5	10.00	Practical examination	Creation of a complex application	5	20.00	Practical examination	Creation of a web application	5	10.00	Practical examination	Presentation and defense of the final thesis	5	30.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p> <p>To higher education</p>	<p><b>International agreements</b></p>																												
<p><b>Other information concerning the vocational training process</b></p>																													
<p><b>Legal basis</b></p> <p>Act CLXXXVII of 2011 on Vocational Training Decree 35/2016 (VIII.31.) of the Minister of National Development on the professional and examination criteria of vocational qualifications falling within the competence of the Minister of National Development.</p>																													

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Secondary school leaving examination

**Vocational requirement modules:**

11498-12 Employment I. (in training courses based on secondary school-leaving examination)

10815-16 Introduction to information technology

11997-16 Introduction to networks I.

11625-16 Programming and database management

11999-16 English for Information Technology

12011-16 Software development

12012-16 Web development I.

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:

Issue date: 2020.11.27

**SEAL**