

**1. TITLE OF THE PROFESSION**

06135011 Junior vállalati Java backend fejlesztő

2. TRANSLATED TITLE OF THE PROFESSIONJunior company Java backend developer
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- Capable of appropriately using a version control system for effective teamwork;
- Stores and provides access to data stored in a relational database using some form of ORM technology that automatically maps objects to tables. Uses this to develop persistent layers;
- Capable of persisting relations between objects;
- Capable of using transaction management (programmed or declarative);
- Capable of building three-tier application using some framework. Capable of building a pure object-oriented business logic layer using clean code rules. Appropriately decouples this layer from the presentation and persistence layer.;
- Develops API endpoints implementing classic CRUD operations;
- Runs application and databases in a containerized environment;
- Uses an initialisation tool to create the database schema;
- Writes and runs unit and integration tests for the application they develop with the use of some framework system;
- Capable of running test cases in various environments;
- Capable of implementing readable and efficient checks in test cases (assert);
- In the case of unit testing, mocks up the related components with a dedicated framework;
- Capable of implementing separate test cases for the various layers using a test framework.

4. CLASSIFICATION OF THE VOCATIONAL TRAINING ACCORDING TO THE ISCED FIELDS OF EDUCATION AND TRAINING (ISCED-F)

0613 Software and application development and analysis

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the authority issuing the certificate	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Culture and Innovation																		
Level of the certificate (national or international) NQF level: 5 EQF level: 5 Digital Competence Framework level: 6	Grading scale / Pass requirements Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail																		
Certificate number: CXX A Serial number: 123456 Certificate issue date: 2024.06.24	Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="3">written</td> </tr> <tr> <td style="width: 80%;">Junior company Java backend developer written examination</td> <td style="width: 10%; text-align: center;">100%</td> <td style="width: 10%; text-align: center;">5</td> </tr> <tr> <td colspan="3">project exercise</td> </tr> <tr> <td>Junior company Java backend developer oral examination</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="3">Result of the qualification examination</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> </table>	written			Junior company Java backend developer written examination	100%	5	project exercise			Junior company Java backend developer oral examination	100%	5	Result of the qualification examination				100%	5
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Result of the qualification examination																			
	100%	5																	
Access to next level of education/training Access to the next level of education/training	International agreements																		
Other information concerning the vocational training process																			
Legal basis Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Government Decree 11/2020 (II. 7.) on the Implementation of the Act on Adult Education, Section 13(1) of Act LXXX of 2019 on Vocational Education and Training, Government Decree 292/2023 (VII. 6.) on the amendments to government decrees due to the ex-post impact assessment of the transformation in vocational education and training.																			

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of programme elements in percentage
Total duration of the education/training	320 hours

Entry requirements:

- Education attainment: secondary school qualification
- Professional qualification: the professional competencies defined in the 06134005 Junior Java backend developer qualification as attested by a certificate of qualification or, in lack of this, passing a preliminary assessment test hosted by the training organisation
- Compliance with medical fitness requirements

Further information:

WRITTEN EXAMINATION EXERCISES

Multiple choice test (topics: theoretical basics of unit and integration testing, multi-layer application and dependency injection, API design and implementation, ORM tools, theoretical basics of persistent layer (4 questions), containerization)

PROJECT EXERCISES

A) Examination topics: developing a complex backend application on a optionally chosen topic

B) Programming tasks. The task includes the following development subtasks: development of presentation layer, API; development of business logic layer; development of business entities; development of persistence layer; implementation of containerization

You can find more information on the Programme and System Requirements in the following link: <https://ikk.hu>

This certificate supplement was elaborated in accordance with the programme requirements registered by the minister responsible for VET.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>

Head of Examination Organiser:

Issue date: 2024.06.24

SEAL