



## **DIPLOMA**

**Ole Marius Sandø Rognan**

born 28 June 1990

**is awarded with**

**Higher Professional Degree**

**in the study programme**

**Front-end Development**

**8 January 2024**

120 credits

Level 5.2 in the Norwegian Qualification Framework

Diploma issued 23 February 2024.

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Vocational school education is higher professional education at a level above upper secondary education and has a scope corresponding to a minimum of half a study year and a maximum of three study years. Vocational school education provides competence that can be used in working life without further training measures.

NOKUT, the Norwegian Agency for Quality Assurance in Education, is an independent expert body under the Ministry of Education and Research and the approval authority for higher education and higher vocational education ([www.nokut.no](http://www.nokut.no)). Higher Professional Degree is a qualification that is part of in the Norwegian Qualifications Framework for Lifelong Learning, approved by the Ministry of Education and Research on 8.11.2017.

The study is accredited by NOKUT on 25 July 2017

### **The programme's objectives, content and organisation**

The Higher Vocational education in Front-end Development is a two-year study program that totals 120 credits. The study contains courses with different topics. An academic year has a duration of approx. 10 months. It is offered both full-time and part-time. On a full-time study, it is expected that students use the same amount of hours as in a full-time job (approx. 40 hours per week).

### **Learning Outcome Descriptions – Front-End Development**

The NQF levels are formulated on the basis of what a person knows, can do and is capable of doing as a result of a learning process. The outcomes of the completed learning process are described in the categories “knowledge”, “skills” and “general competences”. The categories describing learning outcomes include:

**Knowledge:** Understanding of theories, facts, principles, procedures in the discipline, subject area and/or occupations.

**Skills:** Ability to utilize knowledge to solve problems or tasks (cognitive, practical, creative and communication skills).

**General Competence:** Ability to utilize knowledge and skills in an independent manner in different situations.

After graduation the candidates possess the following learning outcomes:

### **Knowledge**

The Candidate...

- has knowledge of concepts, techniques, languages and professional tools that are used in web development, production and implementation of interactive concepts, solutions and products
- has knowledge of relevant tools that are used for deploying websites, interactive solutions and products across platforms
- has knowledge of concepts, problem-solving and tools that are used for programming in front-end development
- can assess his/her own work in relation to relevant regulations and guidelines for universal design and web standards
- is familiar with the distinctive aesthetic nature of websites and the logical placement of elements inside these websites
- is familiar with the communication between website technology and backend systems
- is familiar with professional publications, talks, online portals and developer communities
- has insight into methods of entrepreneurship within front-end development
- has insight into his/her own opportunities for development, and can keep abreast with current trends and new developments in the field

### **Skills**

The Candidate...

- can explain his/her choice of tools, methods and techniques for planning, designing, developing, and testing interactive web solutions
- can explain his/her choices for universal design of ICT solutions and web standards
- can explain his/her own methods for entrepreneurship within the field
- can explain his/her choices for selection and use of various platforms used in front-end development
- can reflect over his/her own practice as a front-end developer and adjust it under supervision
- can reflect over his/her own knowledge of deploying a web application to a production environment
- can reflect over his/her own user testing of a new or existing interactive product or service and identify, document and correct visual and technical deficiencies
- can find and refer to information and material and assess its relevance to problems in front-end development

### **General Competence**

The Candidate...

- can plan and carry out tasks in web design and develop interactive web solutions, alone or as part of a group
- can plan and carry out front-end development tasks in accordance with ethical requirements and principles for universal design
- can plan and carry out interactive web solutions from a concept to a complete functional and deployed product
- can exchange points of view with graphic and interaction designers, programmers and content developers, and participate in discussions on the development of interdisciplinary and future-oriented practices
- can contribute to related interdisciplinary projects
- can contribute to the architecture of a web solution with a focus on best practices in the industry
- can contribute to user-friendly interactive web solutions of relevance based on the needs of selected target audience

can contribute to organisational quality assurance, streamlining and optimisation through good development and deployment practices

## Transcript of Records

Name: **Sandø Rognan, Ole Marius**  
 Degree: Higher Professional Degree  
 Study programme: Front-end Development

Date of birth: 1990-06-28  
 Received: 2024-01-08

Course		Semester	Credits	Grade	Grade <sup>1)</sup> distribution				
					A	B	C	D	E
Compulsary Courses									
FM1AIDE75	Design	2021 autumn	7.5	Passed					
FM1AIWT05	Web and Communications Technology	2021 autumn	5	Passed					
FM1AIHC75	HTML and CSS	2022 spring	7.5	Passed					
FM1AIID05	Interaction Design	2022 spring	5	Passed					
FM1AIJ105	JavaScript 1	2022 spring	5	Passed					
FM1AIPF05	Programming Foundations	2022 spring	5	Passed					
FM1AIPM25	Project Methodology	2022 spring	2.5	Passed					
FM1AIS175	Semester Project 1	2022 spring	7.5	C	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
FM1AICM05	Content Management Systems	2022 autumn	5	Passed					
FM1AIP175	Exam Project 1	2022 autumn	7.5	D	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
FM1AIPO25	Portfolio 1	2022 autumn	2.5	Passed					
FM2AJCF05	CSS Frameworks	2022 autumn	5	Passed					
FM2AJIK05	Industry Knowledge	2023 spring	5	Passed					
FM2AJJ210	JavaScript 2	2023 spring	10	Passed					
FM2AJS275	Semester Project 2	2023 spring	7.5	A	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
FM2AJWF75	Workflow	2023 spring	7.5	Passed					
FM2AJDP05	Development Platforms	2023 autumn	5	Passed					
FM2AJJF75	JavaScript Frameworks	2023 autumn	7.5	Passed					
FM2AJP210	Exam Project 2	2023 autumn	10	C	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
FM2AJPO25	Portfolio 2	2023 autumn	2.5	Passed					
			Total: 120.0						

1) For an explanation of the grade distribution, see the last page.

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### Grading

The Norwegian grading system consists of two grading scales: one scale with the grades pass or fail and one graded scale from A to E for pass and F for fail. The graded scale has the following qualitative descriptions:

<b>A</b>	Excellent	An excellent performance, clearly outstanding. The candidate demonstrates excellent judgement and a very high degree of independent thinking.
<b>B</b>	Very good	A very good performance. The candidate demonstrates sound judgement and a high degree of independent thinking.
<b>C</b>	Good	A good performance in most areas. The candidate demonstrates a reasonable degree of judgement and independent thinking in the most important areas.
<b>D</b>	Satisfactory	A satisfactory performance, but with significant shortcomings. The candidate demonstrates a limited degree of judgement and independent thinking.
<b>E</b>	Sufficient	A performance that meets the minimum criteria, but no more. The candidate demonstrates a very limited degree of judgement and independent thinking.
<b>F</b>	Fail	A performance that does not meet the minimum academic criteria. The candidate demonstrates an absence of both judgement and independent thinking.

The assessment is criterion referenced.

### Grade distribution

The distribution of grades is shown by the percentage for courses using the graded scale A – F. Fail (F) is not included in the distribution. All results from the last five years are included in the calculation. The distribution is also shown for courses that have been active for less than five years. There has to be at least 10 approved results during the period.