

## **OPPONENT'S EVALUATION OF THE BACHELOR'S THESIS**

**Student:** Jamal Mohammed Khalid

**Opponent:** Adam Viktorin

Study program: **Software Engineering**

Study course/Specialization:

Academic year: **2022/2023**

Bachelor's Thesis topic: **A Decentralized Messaging App built on Blockchain Technologies**

### **Evaluation of the thesis:**

This bachelor thesis explored the implementation of blockchain smart contract technology in a decentralized messaging application. The theoretical portion of the thesis is well-written and, aside from a few typos and stylistic issues (which can be attributed to the author not being a native speaker), it can be considered sufficient. The thesis has a well-structured format and meets the necessary formal requirements. Although there are minor concerns, such as the duplication of Figures 1 and 2 in the document, a broken reference to one of the figures on page 50, and references not being sorted in the order they appear in the text, these issues can still be deemed acceptable. Regarding the practical aspect, the Blockxiety application appears to fulfill all the requirements, although its description is somewhat concise. This brings me to the first question:

1. What is the purpose of the "reload messages" button? Does it function as a push notification system?

Furthermore, I would like to inquire about your personal use of blockchain technology and decentralized instant messaging in your everyday life:

2. Do you incorporate blockchain technology into any aspects of your daily routine? Are you utilizing decentralized instant messaging?

Lastly, I would appreciate your insights on the potential steps required to popularize decentralized instant messaging and its feasibility in the future.

3. Could you describe the steps and elaborate on the advantages and disadvantages associated with this approach?

### **Overall evaluation of the thesis:**

The Opponent shall grant a mark according to the ECTS classification scale:

A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient

An "F" grade also means "I do not recommend the thesis for defence."

**I recommend this thesis to be defended and suggest the following evaluation:**

**B - Very Good**

**In the case of an evaluation grade of "F – Insufficient", please supply the main shortages and reasons for this assessment.**

Date: 1. 6. 2023

Thesis Opponent's Signature: