



# Hyperledger Mentorship Project Presentation

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# HL Iroha and Interledger Integration

## › Introduction

- › **Name:** George Roman
- › **Location:** Cluj-Napoca, Romania
- › **University:** Babes-Bolyai University
- › **Mentor(s):** Yuri Vinogradov
- › **Hyperledger Project:** HL Iroha and HL Quilt/Interledger Integration



# HL Iroha and Interledger Integration

## › Project Description:

- HL Iroha - a permissioned blockchain
- HL Quilt - a library providing ready-to-go utilities for working with Interledger
- A protocol for interoperating payments across different blockchains/payment systems

# HL Iroha and Interledger Integration

## › Project Objectives:

- › The goal of the mentorship project is to integrate Hyperledger Iroha within Interledger (using Hyperledger Quilt as the specific ILP implementation), so as to be able to interoperate between Iroha and other ledgers and between different instances of Iroha blockchains.



# HL Iroha and Interledger Integration

## › Project Deliverables:

- › Deliverable 1: implement a compliant settlement engine for Hyperledger Iroha
- › Deliverable 2: demo interoperability between Iroha and other blockchains (e.g. Ethereum) and between different instances of Iroha blockchains
- › Deliverable 3: create a common framework for building settlement engines that allows for easier integration with other ledgers

# HL Iroha and Interledger Integration

## › Project Execution & Accomplishments:

- All deliverables were achieved, HL Iroha is fully integrated with the Interledger protocol (during the mentorship program, I was able to demo several examples of inter-blockchain payments using Interledger)
- The implementation was tested with various Interledger connector implementations, so it should be ready to use in a production environment
- Separated common pieces of functionality so that other integrations could be built atop of the work done during this mentorship
- Got involved in different communities (HL Quilt, HL Iroha, Interledger)

# HL Iroha and Interledger Integration

## › Project Output or Results:

- <https://github.com/georgeroman/ilp-iroha-settlement>



A large audience is seated in a conference room, facing a stage where a speaker is visible. The room is dimly lit, and the audience is focused on the presentation. A blue geometric pattern of lines and circles is overlaid on the left side of the image. The text "THANK YOU!" is prominently displayed in the center of the image.

**THANK YOU!**