Friedrich-Alexander-Universität
Technische Fakultät

FAU

# AmosID Union

# Agenda

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02 What is IDunion and blockchain?

03 What is our mission?

04 Our IDunion blockchain dashboard

05 What have been our ups and downs?

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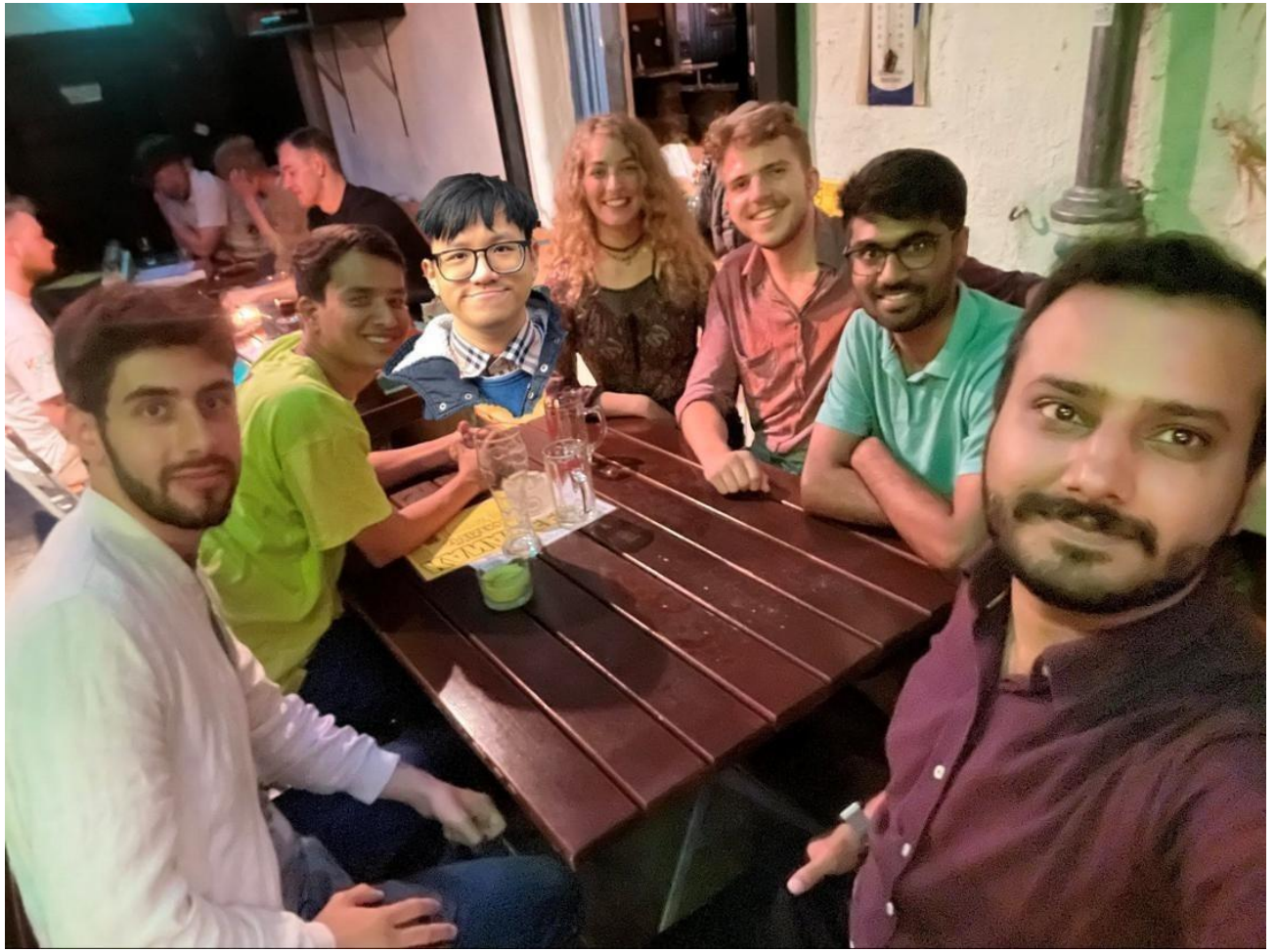
# Who are the project members?

## The team

- Industry partner: Siemens AG, Technology
- Team:
  - Product Owner (PO):
    Anna-Maria, David
  - Software Developer (SD):
    Murali, Julian, Khai, Muhammad
  - Scrum Master (SM):
    Gaurav
- Project language: English
- Core technologies: Python, Javascript, Grafana, Hyperledger, Indy, IDunion blockchain



# What is IDunion and blockchain?

A really short introduction to IDunion and blockchain

**Blockchain, or Distributed Ledger Technology:**

- First steps ~50 years ago with Hash-Trees (Meerkle 1979, D. Chaum 1982, Haber and Stornetta 1991)
- Basically a data-base (of the kind of ledger)
- Decentralized and every node has a copy
- Consensus mechanism applied for changes (e.g. proof-of-work, proof-of-sake)

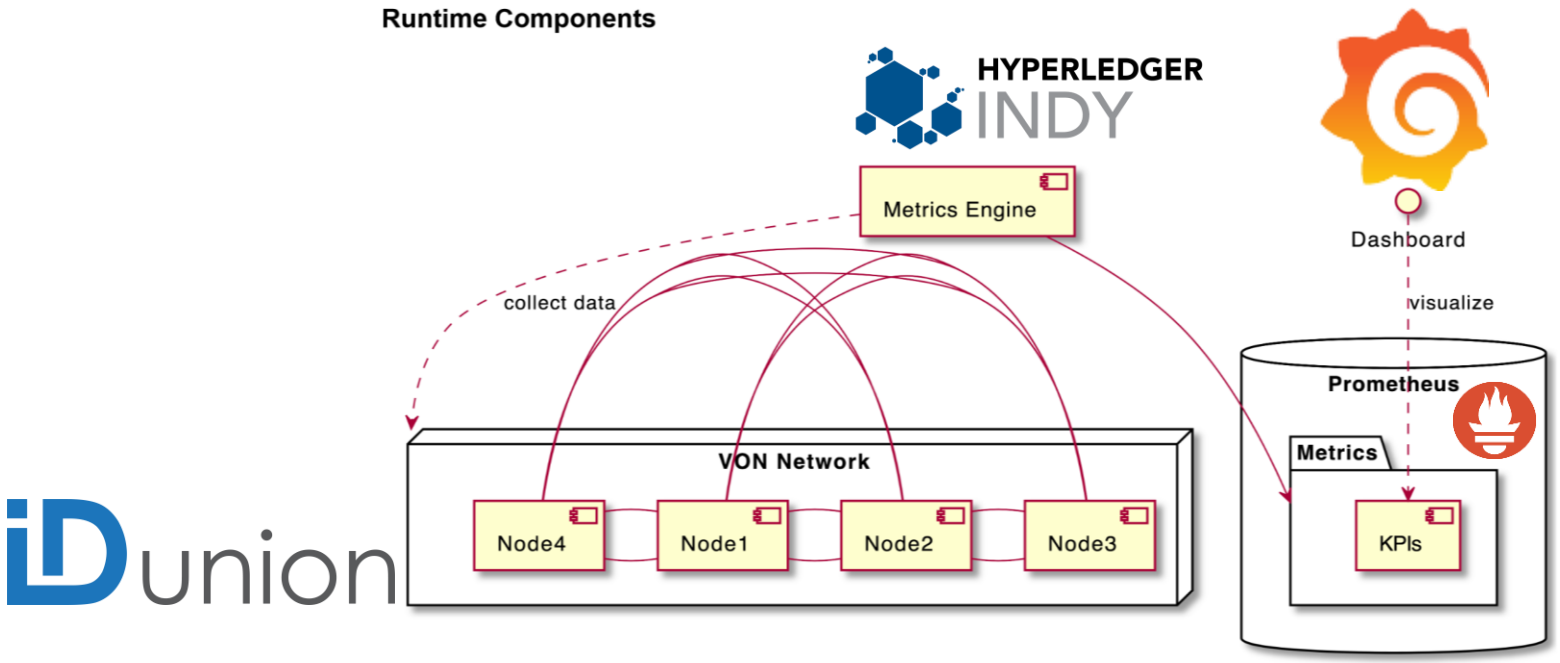
**IDunion:** ***[read more about the project:*** *https://idunion.org/?lang=en ]*

- Eco-System for identity (self-)management: with ledger, wallet, consensus-protocol
- Roles: Credential issuer, verifier and owner
- *Example: IndyWorld Demo by IBM:* https://youtu.be/cz-6BldajiA

# What is our mission?

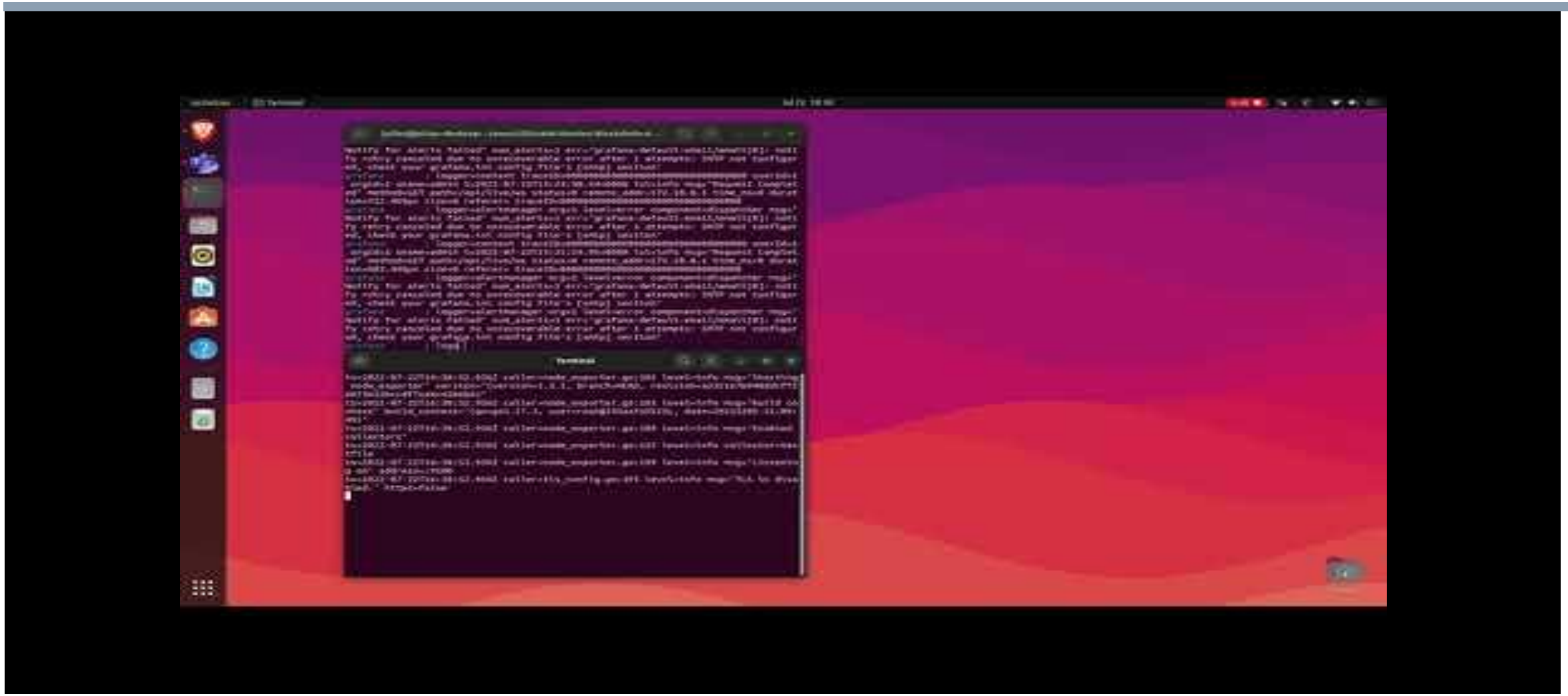
The overall software architecture and implemeted tools

**The overall goal: Implement a metrics engine and a dashboard for the IDunion blockchain**



# Our IDunion blockchain dashboard

Let´s see our demo



IDunion blockchain dashboard demo - YouTube

# What have been our up and downs?

A short reflection

## Ups

- Great team spirit
- On-site, real-life team meeting
- New and thrilling topic

## Challenges

- Tough on-boarding phase due to toolchain setup, the technology stack (Hyperledger, Prometeus, Grafana, VON-network, industry partner data)
- One developer joined ~3 weeks after project start
- First developer left the team at the beginning, one more developer quit the project 2-3 weeks later
- Uncertain capacity estimations, especially if unexpected impediments showed up

# Q&A

Any questions, remarks?