

# Jonas Pauli

## Software Engineer

Self-taught software engineer with a strong practical background and profound understanding of programming concepts



## Work Experience



**R&D Engineer**  
2022–now

- Integration projects involving Typescript and Python SDKs
- Standards for Tokenisation
- Full stack dapp (React, Node) for an educational demo at Virtual Enterprises International
- Rust programming, smart contracts and proc-macros
- Content creator for the developer portal
- Elliptic curve cryptography and circom zero knowledge
- Learned Rust as my first systems language, encountered new challenges compared to prior Python and Javascript experience.
- Deployed and tested smart contracts against a local,- and official test-networks



**R&D Assistant**  
2022–2022

## Hobby Projects

### Blockchain

Developed a Python **blockchain node** from scratch and created a docker image to locally setup a network of nodes that synchronise and verify transactions using Flask and pycryptodome

### ECC

Schnorr signatures from scratch in python using elliptic curves

### Artmuc

Online shop with individual seller profiles, MySQL and Stripe payment gateway built in Flask with a simple frontend

## Education

- **IU International University**  
2023–2027
- **Hull's School**  
2019–2022
- **Lerncenter Zurich**  
2018–2019

## Contact Info



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LinkedIn (includes Github)