

ABOUT ME

I am an experienced, self-taught and highly driven Software Engineer on a continuous learning journey who loves to learn-by-coding

Passionate about the Rust programming language, distributed systems, applied Cryptography and cutting-edge Blockchain research



Winterthur (Zürich,
Switzerland)



+41 76 229 11 60



jonaspauli089@gmail.com

SOCIALS



Github

@jonas089

Open source projects revolving around Cryptography, Distributed Systems and Rust



LinkedIn

@jonas-pauli



Medium

@jonas_casper

- Cryptography and zk
- Blockchain architecture
- Applications of merkle trees

JONAS PAULI

R&D Engineer

EXPERIENCE

09 / 2022 - Today

R&D Engineer

Casper Association

- Research and Development of **Blockchain** scaling solutions, leveraging "**Zero Knowledge**" Virtual Machines and SNARKs
- **Architecture and Implementation** of a Zero Knowledge Blockchain Transaction Rollup system
- Smart Contract development for bridge solutions such as **Circle CCTP**
- Research revolving around **Sequencing** and **Attestation** services

07 / 2022 - 09 / 2022

R&D Assistant

Casper Association

- **Rust Smart Contract** development (Blockchain application development)
- Specialization in **Distributed solutions** and **applied Cryptography**

EDUCATION

05 / 2024 - 08 / 2024

Zero Knowledge Graduate Program

Rareskills

- Expert level graduate education for highly specialized Blockchain engineers
- "Conquer the fearsome Math and **code Zero Knowledge algorithms from scratch**"

PROJECTS

Acropolis

- ETH Berlin 2024 **Hackathon** Project: Authorized, Anonymous **Voting protocol**
- Technologies used: Rust, Risc0 **ZKVM**
- Github @cspr-rad/acropolis

Kairos

- Blockchain Transaction Rollup (scaling solution), also known as a "**Layer 2 zk rollup**"
- Github @cspr-rad/kairos