

JONAS PAULI

R&D Engineer

ABOUT ME

I am an experienced, self-taught and highly driven Software Engineer on a continuous learning journey

My early specialization in Rust development, distributed systems and applied cryptography highlights my ability to adapt to a diverse and innovative software landscape



Winterthur (Zürich, Switzerland)



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SOCIALS



Github

@jonas089

A variety of passion and open source projects, many of which are closely related to advanced Blockchain systems and novel cryptography



LinkedIn

@jonas-pauli



Medium

@jonas_casper

Articles revolving around:

- cryptography and zk
- blockchain architecture
- applications of merkle trees

EXPERIENCE

09 / 2022 – Today

R&D Engineer

Casper Association

- Research and Development of **Blockchain** scaling and complex privacy solutions, leveraging “**Zero Knowledge**” Cryptography
- **Architecture and Implementation** of a Zero Knowledge Blockchain Transaction Rollup system
- Development of novel finance solutions and algorithmic standards, - **proving and verifying executions** with Cryptography

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