



Andrzej Broński

Senior Software Engineer

Developer with 4+ years of professional Rust experience – fascinated by crypto and building fast, reliable systems.

Make it work • Make it right • Make it fast

koxu1996@gmail.com

t.me/andrzej1_1

bron.ski

github.com/koxu1996

linkedin.com/in/andrzej1k1

medium.com/@koxu1996

Kraków, Poland (UTC+2)



Proof of excellence

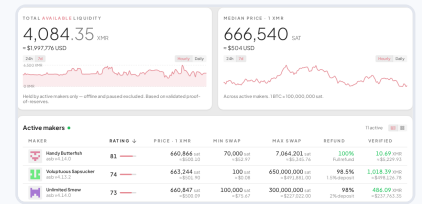


Silk
BTC → XMR atomic swaps

Built & operated solo

Self-custodial and fully in-browser: no custodian, no server-side keys, swaps settle atomically. A reimplement of the Eigenwallet protocol, with a live liquidity dashboard of the makers behind it.

\$2M+
live liquidity tracked



Experience



Malda.xyz
Lead ZK Engineer

Dec 2025 – May 2026

Budapest, Hungary · Remote

Shut down · Apr 2026 (no PMF)

- Took ownership of a ZK-based cross-chain sequencer project, driving it to mainnet readiness.

Key results:

- Introduced full zkVM guest reproducibility by nixifying RiscO – malda/riscOpkgs.
- Dockerized RPC infrastructure for Ethereum, Linea, Base, and Optimism – malda/atlas.
- Implemented Linea block verifier for their new consensus model – malda/linea-header-verifier.
- Established full CI pipeline for the Malda coprocessor codebase: format checks, linting, tests, and reproducible builds.

Rust EVM Nix LayerZero



Gevulot / ZkCloud
Senior Software Engineer

Aug 2024 – Nov 2025

Helsinki, Finland · Remote

Dropped ZK proving · pivoted to Zenith (Canton)

- Benchmarking and integrating external ZK provers; writing custom orchestration.
- Working on Ethereum real-time proving.

Key results:

- In the first month, won “Aztec Decentralization Contest”, in both categories (US \$20,000).
- Eliminated a bottleneck in Ethereum proving: **reduced input preparation from ~4 minutes to 2 seconds**, and open sourced solution.
- Achieved Ethereum real-time proving with a cluster of 48× RTX 4090 and Zisk zkVM, live-tested at Devconnect Argentina (Nov 2025).

Rust Tokio SPI RiscO Reth EVM



Casper Network
R&D Engineer

Jan 2023 – Jul 2024

Zug, Switzerland · Remote

No traction · token down >95% since 2023

- Building a dedicated L2 for processing payments, using zero-knowledge technology.
- Assessing grant deliverables.
- Representing the company at public events.

Key results:

- Designed L2 system ‘Kairos’ and implemented its core parts: ASN.1-based schema, cryptography, L1 synchronization.
- Created blockchain library for handling events: Casper Event Toolkit.
- Reviewed 30+ grant projects and recommended cancellation for many due to grant farming.
- Performed public speeches:
 - ~ ‘Web3 vs Web2 development’ – Lubelskie Dni Informatyki, university at Lublin.
 - ~ ‘How to quickly start building on Casper?’ – Cryptosphere conference in Wrocław.
 - ~ ‘Dynamic NFTs’ – Web3 Berlin conference.

Rust Tokio RiscO

Next on p. 2 → JumpWire, Founding Engineer



Andrzej Broński

Senior Software Engineer

Developer with 4+ years of professional Rust experience – fascinated by crypto and building fast, reliable systems.

Make it work • Make it right • Make it fast

✉️ koxu1996@gmail.com

📍 t.me/andrzej1_1

🌐 bron.ski

🔗 github.com/koxu1996

🌐 linkedin.com/in/andrzej1k1

📱 medium.com/@koxu1996

📍 Kraków, Poland (UTC+2)



Experience (continued)



JumpWire (YC W22)
Founding Engineer

Jun 2022 – Nov 2022

📍 Boston, MA, US • Remote

✅ Acquired by WorkOS • Jan 2024

- Building MVP – platform for dynamic data access control.

Key results:

- Implemented REST proxy, configurable via OpenAPI specification file.
- Fixed binary protocol bug, where type was incorrectly converted.
- Implemented rediscovery of DB schema, handling potential conflicts.

Elixir

Phoenix

PostgreSQL

Rust

Git

Tailwind

Svelte



Microsoft Ireland
Software Engineer II

Aug 2021 – Nov 2021

📍 Dublin, Ireland • Hybrid

- Enhancing security of Azure Cloud infrastructure.
- Creating new security monitors, using C# and KQL.

Key results:

- Analyzed and documented 50+ security rules; gathered knowledge from 3 different teams.
- Fixed silent-failure defects in ~20 monitors.
- Introduced health-check dashboard; discovered several repeatedly failing monitors.

C#

KQL

Power BI



ESET Polska
Specialized Software Engineer

Nov 2019 – Jul 2021

📍 Kraków, Poland • On-site

- Developing a new platform for fuzz-testing antivirus modules.

Key results:

- Developed cross-platform worker node in C++.
- Created REST fuzzing service for Endpoint product – on the first run it found +10 unique crashes.
- Adjusted PDF module to cross-compile with ASan – discovered 2 memory bugs.

C++

CMake

Boost

Python

Django

PostgreSQL

Docker

ZMQ



Securium
Penetration Tester

Sep 2017 – Sep 2018

📍 Kraków, Poland • On-site

- White-hat hacking web and mobile applications.
- Static code analysis.
- Writing security reports in accordance with OWASP ASVS framework.

Key results:

- Won “bug of the month” prize, for exploiting Java deserialization bug – full RCE, even before client prepared test account.
- Found critical vulnerability in a major Polish bank.
- Wrote Java Deobfuscator for ZKM 5 – used to extract app secret key.

Burp Suite

Arch Linux

Python

Java

Docker



Freelancing
Web Developer

2014 – 2017 • Dec 2021 – May 2022

📍 Nowy Sącz / Kraków, Poland • Remote

- Creating full-stack web projects, either for individual clients or for contracting company.

Git

PHP

Yii

Laravel

MySQL

Redis

JavaScript

TypeScript

React



Education



AGH University of Science and
Technology

📍 Kraków, Poland

Jan 2019 – Dec 2020

Master's degree in Computer Science

Autoscaling of computations in container clouds.



AGH University of Science and
Technology

📍 Kraków, Poland

Oct 2015 – Jan 2019

Bachelor's degree in Computer Science

Modern web applications penetration testing.