

# Jacob Everly

Technical Product & Program Manager: research products, compute roadmaps, and 0→1 systems

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I drive large-scale, technical products and programs from idea to production, the kind that span research, infrastructure, and applied work. At RISC Zero / Boundless I owned the roadmap, milestones, and compute economics for a high-performance distributed compute marketplace, coordinating research, engineering, and users and turning a weeks-long setup into about 20 minutes across 10,000+ GPUs at peak and 1.9M jobs.

I'm technical enough to go deep with researchers and translate their work into plans the rest of the org can execute against. I do technical research and build prototypes myself: I built VerifiableNews.org solo, end to end, running ML inference inside a zero-knowledge virtual machine so an output can be cryptographically tied to the model that produced it.

## EXPERIENCE

### Senior Technical Product Lead, Protocol

June 2024 - Present

RISC Zero / Boundless, New York, NY

- Drove Boundless 0→1 as the product and program lead. I owned strategy, roadmap, launch sequencing, and milestones for a high-performance distributed compute marketplace across 150+ providers and 10,000+ GPUs at peak, about 40x the nearest competitor's capacity.
- Owned the compute and resource roadmap and removed the biggest bottleneck: I collapsed user setup from weeks of GPU, verifier, and infrastructure work to about 20 minutes. Since launch: 145 dev teams, 1.9M jobs, 4,276T cycles, 99.9% success.
- Coordinated research, engineering, and users across both sides of the marketplace, synthesizing progress into clear plans and communicating tradeoffs to leadership; grew supply from large operators to students, with 3,000+ operators completing jobs.
- Designed the resource and market mechanisms (auctions, proof aggregation, subsidies) that drove compute to about \$0.10 per GPU-hour, roughly 30x below comparable cloud.
- Shaped the trust and reliability model for an open, adversarial system with real funds at risk: 99.9% uptime, 99.79% fulfillment, 28% provider drop-off absorbed with no service impact, and over \$1B secured.

### Technical Product Manager

July 2023 - June 2024

Ava Labs, New York, NY

- Took the Avalanche research team's ideas from proposal to production and into users' hands, owning roadmap prioritization and upgrade-evaluation frameworks and aligning research, engineering, and leadership on what shipped and why.
- Led competitive analysis across rollups, subnets, and modular frameworks to decide which research directions became product and developer-experience priorities.

### Systems Engineer

May 2020 - May 2023

Raytheon Technologies, Aurora, CO & Richardson, TX

- Built integration, validation, and automated test frameworks for large-scale distributed systems under stringent reliability, compliance, and auditability requirements.

## SELECTED BUILDS

### VerifiableNews.org

: verifiable inference, built end to end and solo

- Ran transformer models like Qwen2.5-0.5B inside a RISC-V zero-knowledge virtual machine using pure-integer (W8A32) math and a Freivalds verification trick for a ~2.4x speedup, producing STARK proofs of correct inference that anyone can verify in milliseconds. Built solo, end to end, in Rust and Python. Code and writeup: [github.com/JacobEverly/verifiablenews.org](https://github.com/JacobEverly/verifiablenews.org).

## EDUCATION

Cornell Tech University, M.Eng., Electrical & Computer Engineering · *Applied Cryptography & ML* · June 2023

Oklahoma State University, B.S., Mechanical Engineering · December 2021

## SELECTED SKILLS

research program & product management ▪ technical roadmaps & milestones ▪ compute & resource planning ▪ cross-functional coordination ▪ bottleneck identification ▪ technical communication ▪ building with frontier models ▪ verifiable inference / ML-in-ZK ▪ 0→1 product strategy ▪ mechanism design