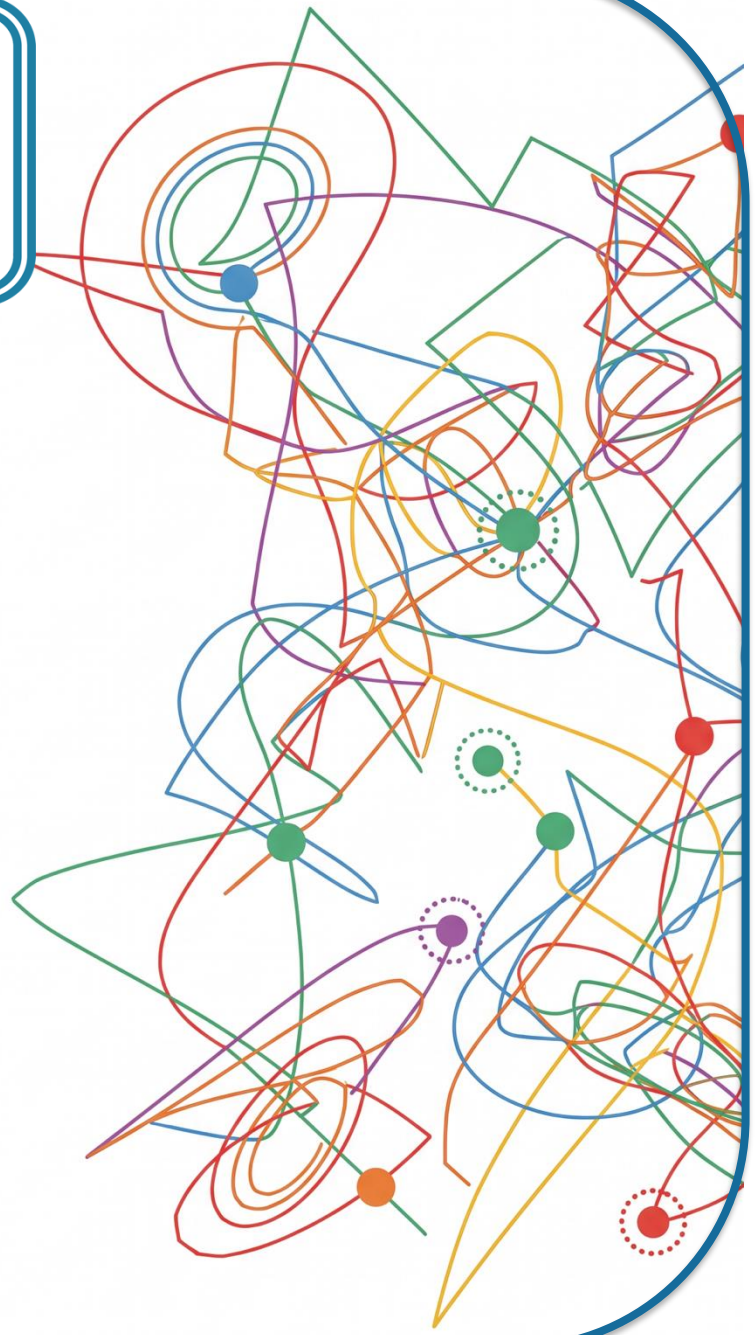


CORNCON 12:
THE 12 CHAOS MONKEYS OF CYBER
CornCon Cybersecurity Conference
Davenport, IA • October 1-3, 2026



Confessions of a Recovering Cybersecurity Dude

Bobby Kuzma

Founder & CEO, Artificer Health · CEO, Field to File
Former Director, Offensive Cyber Operations
linkedin.com/in/bobbykuzma · github.com/bobbykuzma

Hi. I'm Bobby. I'm a Recovering Cybersecurity Professional.

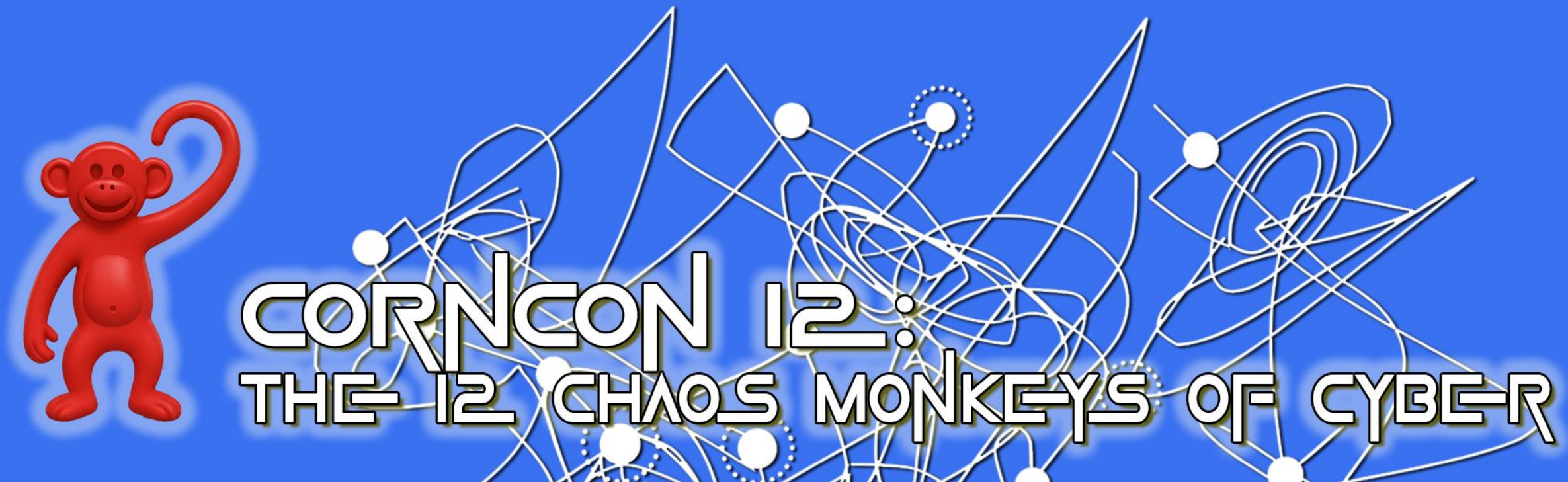
- 25 years: pentest, red team, exploit research
- Last stop: Director, Offensive Cyber Ops (team of 11)
- Clean since April 2026
- Recent relapses: FHIRbug, Ithildin
- Now: two companies. Nothing to do with security. Supposedly.

It Started With a Movie

- 1992. Sneakers.
- “Too many secrets” is a mission statement when you’re twelve
- The breaking was fun. The fixing never happened.
- Every finding → a PDF → a drawer

Act I: The Cyber Years

What the job actually taught me

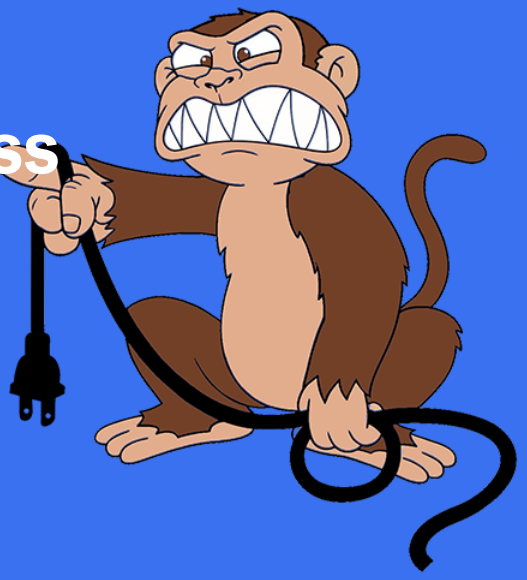


Four Mental Models That Stuck

- Adversarial thinking: whose incentives run against this?
- Threat modeling: assets, actors, surfaces, first
- OODA loops: cycle faster than the other guy
- Documentation lies: the gap is where findings live

Act II: The Pivot

I threat-modeled a healthcare process



Prior Authorization, For the Uninitiated

- Doctor says yes. Insurer says “prove it.”
- Fax, portal, phone tree. Rules per payer, per plan, per drug.
- AMA 2025 survey, 1,000 physicians:
  - 94% say it delays care
  - ~40 requests/week · ~13 staff hours/week
  - 1 in 4: a serious adverse event, up to death

So I Drew the Threat Model

What a pentester sees

- Assets: the patient's time
- Threat actor: paid per denial
- Attack surface: fax, portal, PDF
- Control: a human, re-typing

What the model says

- Denial-by-friction is the exploit
- Defenders have no telemetry
- The vuln is a process, not a bug
- Automate their paperwork back at them

Meanwhile, Last Week

- Insurers: hospital AI coding cost us $942M
- Hospitals: your AI auto-denies us with no human in the loop
- Both sides automate paperwork at each other. The patient still waits.

Act III: What Transferred

The skills I didn't know I was taking with me



Same Skills, Different Targets

Security habit

- Adversarial thinking
- Threat modeling
- OODA loops
- Documentation skepticism

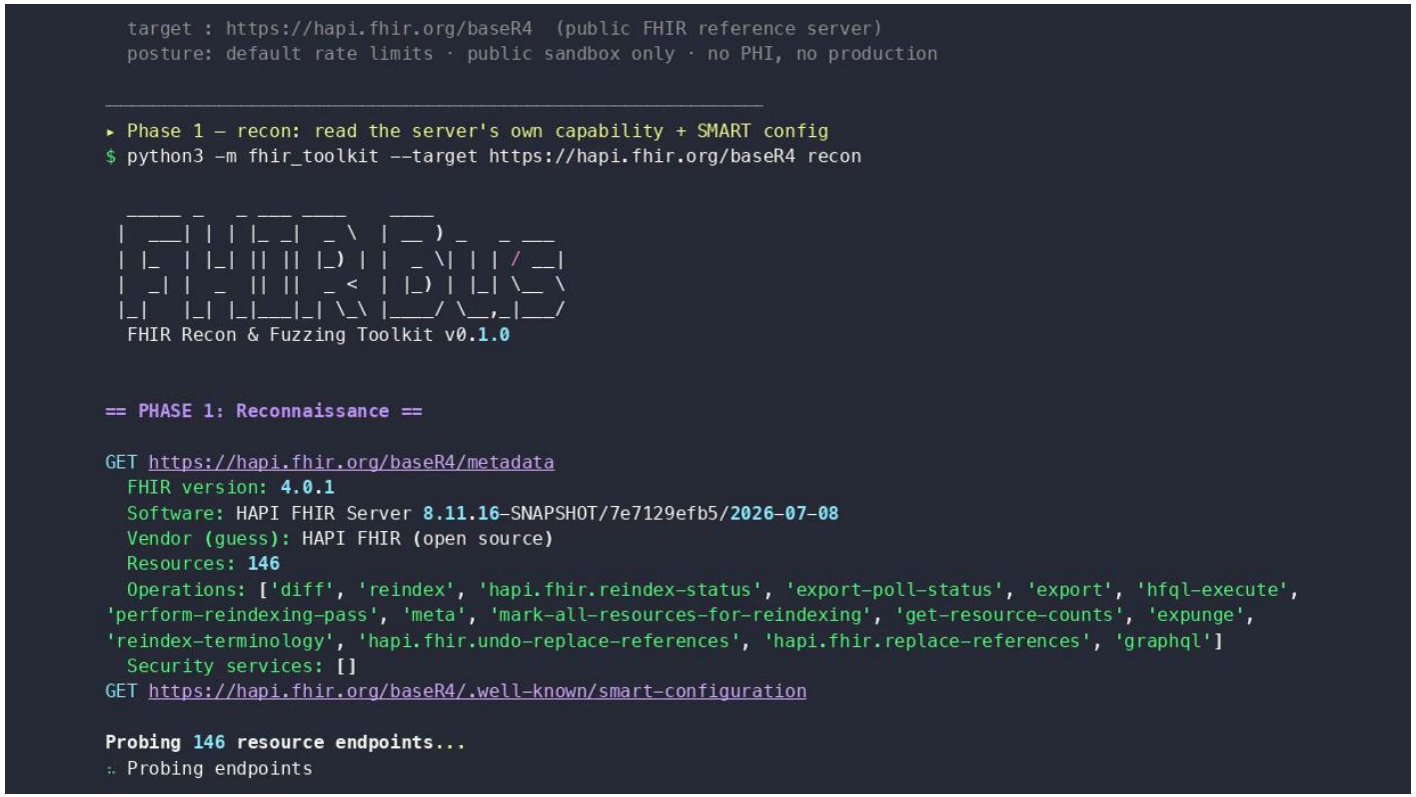
In a startup

- Read incentives, not press releases
- Design from the attack surface in
- Ship rough, use it, fix, repeat
- Policy PDFs lie like network diagrams

Artificer Health (and the Relapse)

- Prior auth, end to end: chart → policy → packet → submit → chase
- AI reads and matches. A human approves every one.
- To integrate FHIR APIs, I had to test them. “Just one endpoint.”
- FHIRbug: open-source FHIR auth & exposure scanner
- Narrator: it was not one endpoint.

FHIRbug, Mid-Relapse



PHASE 1 RECON · PUBLIC HAPI SANDBOX · 146 ENDPOINTS

No PHI, no production · github.com/bobbykuzma/fhirbug

The Part That Isn't Funny

- Every denial-by-friction delays a person's care
- 1 in 4 physicians: hospitalization, disability, death
- We called it "impact." Wrote it in a PDF. Went home.
- This time the impact has a waiting room.
- The bugs were rarely in the code. The process was the product.

Field to File: Same Pattern, New Industry

- FSMA 204: record every critical tracking event, produce it in 24 hrs
- Compliance date: July 20, 2028
- Big growers: an ERP and a compliance team. Small growers: a clipboard and a cousin.
- The mandate is flat. The burden is not.
- The adversary is a rule that filters out the small

Act IV: What Didn't Transfer

The honest part



Three Things I Had to Unlearn

- Culture: adversarial → coalition. Nobody ships because you proved them wrong.
- Risk: something you find → something you eat, daily
- Incentives: paid to find → paid only when it's fixed
- Finding is cheap. Fixing is the whole job.

Apply What You Have Learned Today

- Next week: threat-model one business process. Find who profits from the friction.
- 3 months: own one fix. Ship it. Scan something you depend on.
- 6 months: finding or fixing? Only one is recovery.



Thank You

Bobby Kuzma · bobby.kuzma@gmail.com

linkedin.com/in/bobbykuzma

github.com/bobbykuzma/fhirbug · github.com/bobbykuzma/ithildin

artificerhealth.com · fieldtofile.com

Staying secure in an increasingly complex and chaotic world