

Alex Frison

Data Analyst · Software Engineer · Systems Architect

Versatile builder across analytics, robotics support, retail sales leadership, and full-stack platforms. Pacific Northwest based — open to hybrid, remote, on-site.

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- Alex@AlexFrison.net
- alexfrison.net
- Seattle / Arlington, WA

- Analytics / BI
- Full Stack Eng
- Robotics / AFM
- Sales Leadership
- Product Builder
- Systems Architect

Analytics / Data

- SQL, Power Query, Excel, dashboards
- SOX-compliant IRDR research + LLM agents

Robotics / AFM

- Amazon Robotics (ARS) floor monitor
- Pod / drive / workstation troubleshooting

Sales / Leadership

- Top performer; district-level recognition
- Assistant Manager; coached 4–8 reps

Product / Engineering

- OpenVibe: 15-service platform kernel
- OpenVibe Live, HoboQuest, OpenVibe Network

1,000+
SOX IRDRs
hand-researched

15
OpenVibe
microservices
shipped

200K+
Live game servers
tracked

20+
Amazon
TamperMonkey/
Python scripts

10+
Years running my
own LLC

PROFILE

Data analyst and systems architect with 10+ years building and shipping production systems. **1,000+ SOX-compliance IRDRs personally researched at Amazon ICQA**; built an Anthropic SQL copilot and autonomous root-cause-analysis agent in daily use. Solo architect of a **15-microservice open-source platform kernel** (OpenVibe), a live-streaming stack (OpenVibe Live), and a 14-service identity network. Previously **district top performer** → **Assistant Manager at Verizon Wireless**, coaching 4–8 reps.

EXPERIENCE

Data Analyst — ICQA

2024 - March 2026

Amazon · PAE2, Arlington WA

- Own SOX-compliance IRDR workflow — **hand-researched 1,000+ inventory mismatches**, authored reporting satisfying Sarbanes-Oxley audit trails.
- Authored an Anthropic-powered **SQL copilot** + an **autonomous root-cause-analysis agent** that plans, gathers evidence, and writes complete IRDRs end-to-end — collapsing hours of manual research per defect into seconds.

SQL · Excel / Power Query · Python · Anthropic API · TamperMonkey · SOX Compliance

Amnesty Floor Monitor (AFM) — Amazon Robotics

2023 - 2024

Amazon · Robotics launch site

- Monitored Amazon Robotics (ARS) automation during launch-stage operations — enforced amnesty zones, cleared obstructions, kept pod and drive-unit flow safe.
- Investigated recurring pod, drive, and workstation defects on the floor; documented patterns and escalated to RME and ops leadership to drive process improvements.

Amazon Robotics · AFM protocols · Floor safety · Hardware diagnosis

Assistant Manager / Sales Representative

2020 - 2023

Verizon Wireless

- Consistently ranked among **top performers in the district** — hit and exceeded monthly quotas across smartphones, plans, accessories, device protection, financing, and Verizon Visa offers.
- Promoted to Assistant Manager; mentored and coached a team of 4–8 reps through weekly 1-on-1s, floor coaching, and monthly workshops on objection handling, upselling, and customer retention. Led store opens / closes, inventory, escalations, and daily huddles.

Consultative Sales · Team Leadership · Coaching · Retail Ops · Quota Attainment · Customer Retention

Founder · Systems Architect · Principal Engineer

OpenVibe Network

- Sole architect and engineer on **OpenVibe** — a 15-microservice open-source platform kernel: distributed event bus, OIDC/OAuth2 identity, media object store, live ingest + restream, real-time chat, billing ledger, AI/search backbone. Self-hosted alternative to Twitch + YouTube + Patreon + Discord. 16 phases documented, 11+ shipped.
- **OpenVibe Live**: live-streaming platform from scratch — WebRTC SFU, HLS, multi-destination RTMP restream (OBS → Twitch / YouTube / Kick), auto-recorded VODs, clip detection, chat, voice channels, analytics, moderation, and an embedded in-stream browser game. Fully open source.
- **HoboQuest** (browser MMORPG) + **OpenVibe Network** (SSO + OAuth2 across 14 services): custom isomorphic engine with Source-Engine-style client prediction, 4 live game instances; shared themes, notifications, cross-domain sessions.

⚙️ TypeScript · Node.js · Express · PostgreSQL / SQLite · Redis · WebRTC · WebSockets · OAuth2 / OIDC · FFmpeg · Lua · C#

Founder · Developer · Systems Admin

GameServerStats, LLC

- Built analytics platforms tracking **200,000+ live game servers**; #1 Google result for several major titles, licensed to third-party sites under written agreement.
- Self-built and collocated 1U / 2U servers in datacenters; designed ingestion, dashboards, DDoS resilience, and ran the entire LLC — licenses, taxes, partner relations — for 10+ years.

⚙️ Node.js · PHP · Python · MongoDB · MySQL · Redis · NGINX · Linux

SELECTED PROJECTS · LIVE EXAMPLES

 **OpenVibe**
github.com/openvibe

15-microservice open-source platform kernel — identity, event bus, media store, live ingest, billing, AI/search. Sole architect across 16 phases.

 **Autonomous IRDR Root-Cause Bot**
[Internal Amazon tool](#)

Autonomous agent that plans, gathers evidence, and files SOX-compliant IRDRs end-to-end — built on 1,000+ hand-researched reports.

 **Amazon SQL Copilot**
[Internal Amazon tool](#)

Anthropic-powered SQL assistant that auto-discovers tables / FKs / semantics and streams runnable, table-aware SQL for ICQA analysts.

 **HoboQuest**
hobo.quest

Browser MMORPG with custom isomorphic engine — Source-Engine-style client prediction, pixel canvas, 4 live game instances. 100% open source.

CORE TECHNICAL STACK

 **Analytics / Data**

SQL · Excel + Power Query + VBA · Python (pandas) · Dashboards · ICQA reporting · Root-cause analysis · Anthropic / LLM tool-use agents

 **Engineering / Web**

JavaScript / TypeScript · Node.js · Express · Python · PHP · React · Vue · REST APIs · HTML5 / CSS · WebSockets / WebRTC · OAuth2 / OIDC

 **Systems / Infrastructure**

Linux · NGINX · PostgreSQL / MySQL / MongoDB / Redis · Cloudflare · DDoS resilience · Self-built 1U / 2U servers

 **Robotics · Game Dev · Leadership**

ARS robotics support · Electro-mechanical troubleshooting · Lua / C# / C++ · Source Engine · Team coaching

EDUCATION · LEARNING · ELSEWHERE

Snohomish High School, WA — AP Statistics, Calculus, English, Creative Writing, Spanish. Self-taught systems builder since age 12 — analytics, infrastructure, graphics, photography, hardware, and practical problem solving.