J. Ferguson *Phoenix*

Technology Strategy & Client Innovation — Connected Systems, AI Integration, Partnerships

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01 PROFILE

Technology strategist and 20-year independent consultant who turns ambiguous client problems into *scoped, deliverable systems* — across connected physical–digital experiences, AI integration, infrastructure, and partnership development. I work the way a modern agency does: consultant-level rigor up front, hands-on build in the middle, and delivery under real budget and schedule constraints. I run a production AI pipeline daily and have shipped everything from a wireless ISP still operating after twenty years to a large-scale connected experience delivered in an 80-day sprint.

02 SELECTED ENGAGEMENTS

Principal — Ferguson & Associates

PRACTICE SINCE 2007

SYSTEMS ARCHITECTURE · INTEGRATION · DELIVERY

- Independent consultancy scoping engagements from discovery through deployment and operations — systems architecture, network infrastructure, digital-twin content pipelines, VoIP, and POS/inventory integration connecting physical retail and hospitality environments to digital tracking layers.
- Own the full delivery lifecycle: requirements, SOW definition, vendor coordination, documentation and runbooks, and ongoing operations for distributed client sites.

Independent Technology & Strategy Consultant / *Board Member*

2015 – PRESENT

ADVISORY · DILIGENCE · CAPITAL

- Advise founders and organizations on technology architecture, digital–physical integration, and strategic-partnership structure; serve on private-company boards and provide fractional CTO/CISO consulting.
- Led a capital-raising initiative for an aerospace-sector client through to a successful close; conduct technical due diligence assessing architecture, delivery risk, and integration feasibility ahead of investment or partnership commitments.
- Structured strategic-partnership and IP-licensing pathways across marine and aerospace sectors.

Digital Transformation Lead & Contract Producer — From the Heart Productions

2017 – PRESENT

501(C)(3) FISCAL-SPONSORSHIP ORGANIZATION

- Ran a full technology and operations modernization for a nonprofit serving independent filmmakers: WordPress security audit and maintenance retainer, a banking-transition playbook, independent-contractor agreement drafting, and an insurance-coverage review.
- Produced current-year program materials — fiscal-sponsorship positioning and film/TV pitch-training curricula. Decade-long partnership beginning as Authentic Vision Consulting Inc. (2017), active as of 2026.

Applied AI Practice — Phoenix Tech LLC

2022 – PRESENT

AI INTEGRATION · GENERATIVE PRODUCTION PIPELINES

- Built and maintain an AI-assisted production pipeline used to deliver **64 client and venture concept/pitch decks** (Nov 2024 – Aug 2026) across aerospace, AI-agent fintech, quantum, smart textiles, wearables, marine, real estate, and film/TV.
- Deploy self-hosted local inference (Ollama/ROCm, llama.cpp, LM Studio) and generative image/video (ComfyUI + Stable Diffusion); authored and published working Deforum/ControlNet configurations on GitHub (2023).
- Invoiced technical engagements: self-hosted AI server build with a supervised image-to-animation pipeline, and a generative music-video production pipeline, for Happy Trails Animation.

Co-Founder & Futurist — Persona Capital Labs

2024 (PITCH)

AI-AGENT FINTECH

- Co-founded and pitched an AI-agent adaptive trading-fund concept in 2024 alongside a securities attorney, a high-frequency-trading systems architect, and an application architect; defined the concept and go-to-market for a $20M fund on a $250K–$500K seed raise, developed to pitch stage.

Founder, Chief Technology Officer & Head of R&D — OptimERA, Inc.

2005 – 2006

WIRELESS ISP — UNALASKA / DUTCH HARBOR, ALASKA

- Co-founded and led technical architecture and R&D for a wireless ISP serving a remote Bering Sea community with no terrestrial fiber — authored the business plan and built the early technical and web infrastructure. **Still operating more than twenty years later**, now partnered with SES Networks and Starlink.

Founder & Director — METABURN / The Bridge Experience

2020 – PRESENT

CONNECTED EXPERIENCE · DELIVERED UNDER CONSTRAINT

- Delivered a recognized large-scale, browser-based connected experience concept-to-live in an **80-day sprint on a $16,500 budget** — negotiating the platform license, contracts, programming, and volunteer operations personally. Named a Recognized Universe of the 2020 Burning Man Multiverse under a license executed directly with Burning Man Project.

Fractional CTO / CISO — Ferguson Family Marine & Design Operations

2007 – 2023

ALEXANDER MARINE · OCEAN ALEXANDER · TECNOMAR · ITALIAN SEA GROUP · SALLY J INTERIORS

- Primary technologist and fractional CTO/CISO supporting Jeff A. Ferguson Sr.'s yacht-industry operations (Alexander Marine International / Ocean Alexander East Coast commissioning, Tecnomar, The Italian Sea Group) and Sally J Ferguson's interior-design practice — systems, security, CRM, and business-technology support across a decade-plus. Signed 2016 recommendation from the Director of US Operations, Alexander Marine International, on file.

Contractor, then Live Operations Administrator — Microsoft

JAN 2002 – SEP 2004

XBOX · ASHERON'S CALL I & II — BELLEVUE, WA

- Microsoft-paid contractor on Xbox, then hired to administer live operations for two persistent massively-multiplayer online worlds (Asheron's Call I & II) during their commercial peak — player-facing incident handling and in-world administration for a continuously running 24/7 service, at scale, for a major platform.

03 CAPABILITIES

STRATEGY & DELIVERY

Discovery & scoping, SOW definition, technical due diligence, roadmap and delivery under budget/schedule constraint, vendor and partner coordination

AI INTEGRATION

Self-hosted local inference (Ollama/ROCm, llama.cpp), LLM/vision workflow integration, generative image/video pipelines, agentic tooling, AI-assisted production at volume

CONNECTED SYSTEMS

POS & inventory integration, IoT connectivity, sensor-driven systems, digital twins, BIM/AEC, physical–digital experience layers

PARTNERSHIPS & CAPITAL

Strategic-partnership & IP-licensing structuring, capital-raise facilitation, board advisory, investor-materials development

CLEANTECH & GOVERNMENT

Venture research and business-plan development for a Flash Joule Heating resource-recovery technology (ReMine ME, 2025); active SAM.gov registrant pursuing federal contracting opportunities

INFRASTRUCTURE

802.11 a–ax, licensed/unlicensed & satellite backhaul (Starlink, Iridium), MikroTik, Microsoft Server, VMware, Asterisk VoIP

LEADERSHIP

Team and volunteer leadership at scale (135-person camp, 35-volunteer core), operations management, distributed-team coordination

04 SELECTED CLIENT SECTORS & EDUCATION

Client engagements (under confidentiality, by sector): senior living & adaptive reuse · independent film & TV · nonprofit formation & governance · advanced materials & cleantech · aerospace · smart textiles & wearables · protective equipment & safety · RF detection & secure communications · healthcare experience · developer services & CRM.

Education & Certification: *New Horizons Regional Education Centers — MCSE, MCP, CompTIA A+, Network+ (1999) · Bellevue College coursework (Computer Science, Business) · MikroTik Wireless · Wilderness First Responder · CPR.* ***References:*** *Carole Joyce (From the Heart Productions) · Andy Collen (Happy Trails Animation) · Richard Allender (Alexander Marine Int'l) — available on request.*