

ALASTAIR FRASER

STAFF-LEVEL ENGINEERING LEADER · APPLIED AI-AGENT BUILDER · AUTHOR · SYSTEMS THINKER

PROFESSIONAL SUMMARY

Staff-level circuit-design engineer and technical leader with experience across space, defense, RF and microwave systems, satellite communications, avionics and network architecture, requirements, trade studies, testing, troubleshooting, and multidisciplinary engineering work. Hands-on author and builder applying AI agents to software, online stores, research, content, and operational automation.

EXPERIENCE

Circuit Design Engineer Staff

Lockheed Martin Space · 2023–Present

Leads engineers from concept through architecture development; matures concepts and conducts trade studies; develops circuit, board, package, subsystem performance, and test requirements; drafts plans for space and hostile-radiation environments.

RF/Microwave Design Engineer

Kratos · 2022–2023

Designed and improved RF up/down converters and communication systems in UHF, C, Ku, and Ka bands; performed schematic and PCB layout; troubleshot production products; produced operating and maintenance documentation.

Electrical Engineer III

Honeywell · 2018–2022

Coordinated engineering, quality, manufacturing, and related organizations to translate concepts into production items; supported development and production troubleshooting; prepared definitions, drawings, specifications, and test-equipment designs.

Hardware Engineer II

Relm Wireless · 2014–2018

Advanced land-mobile-radio receive and transmit hardware; designed schematics; performed RF bench testing; developed an automated LabVIEW measurement program; trained employees and interns; identified and mitigated EMI/EMC.

Satellite Communications Supervisor / Operator / Maintainer

U.S. Army · 2001–2007

Installed, operated, maintained, and supervised satellite communication ground terminals, systems, networks, vehicles, and power equipment; assisted peers and subordinates; taught satellite-communications theory, troubleshooting, and repair.

EDUCATION

B.S. Electrical Engineering and Computer Science

University of Kansas · 2015

VERIFIED SKILLS

Engineering: Electrical engineering; circuit design; PCB design and layout; RF and microwave engineering; satellite communications; avionics and network architecture; requirements; trade studies; verification and validation; root-cause analysis; test automation; EMI/EMC; technical documentation.

Software and tools: Python, C, Java, LabVIEW, PADS, Altium, KiCad, Zuken, RF bench instrumentation, wired and wireless networking.

Applied AI agents: Agentic workflows; human-in-the-loop design; agent supervision; approval queues; permission boundaries; spend controls; outcome monitoring; AI-assisted software development; research, content, and online-business workflows.

PUBLICATION & SELECTED PROJECTS

The Agent Advantage	Author · Practical AI-agent field guide · 2026
ATS Resume Designer	Directed scope, testing, privacy decisions, hardening, and release judgment for an agent-built résumé product.
Agentic Bot Sitter	Agent-assisted reviews, research, and publishing system with source and human-approval rules.
Online-store systems	Agent-assisted research, design, listing, content, and marketing workflows kept behind human inspection.

TARGET OPPORTUNITIES

Applied AI and agentic-systems engineering; AI solutions architecture; technical leadership; automation and prototyping; human-in-the-loop systems; technical product or program leadership; systems-engineering leadership involving applied AI. These are target opportunities, not past titles.

Public profile and contact: agentadvantagebook.com/ai-agent-engineer · agentadvantagebook.com/contact
Privacy: private phone, personal email, security-clearance detail, and confidential program information are intentionally excluded.