

Josh Lambert

Solutions architect and founder: private LTE/5G, fixed wireless, and AI agents

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Builder and operator. I founded and run Alabama Lightwave, a fixed wireless ISP. I wrote Rapid5GS, the open source LTE/5G core installer that ISPs and integrators now deploy. I sell the network, design it, and turn it up myself. I also run AI agents on more than 20 production systems every day. I have built, sold, and shipped for 15 years: RF plan, packet core, app, API, and the signed SOW.

SKILLS

Private wireless: Private LTE and 5G, CBRS (CPI, SAS), Open5GS EPC and 5GC, SIM provisioning, Nokia AirScale and Baicells RAN, LTE CPE firmware

ISP and networks: Fixed wireless (Cambium 6 GHz, Mimosas), point-to-point microwave, DIA circuits, hosted VoIP (FreePBX, ClearlyIP, SIP), IXP peering, MikroTik, UISP, Linux, Docker

AI: AI agents on production systems (Claude Code, Codex, OpenClaw), agent runbooks and guardrails, LLM integration, AI search optimization (GEO, llms.txt)

Software: PHP and Laravel, JavaScript and Node, Next.js, Titanium (iOS and Android), REST, SOAP, EDI, and SFTP integration

Business: Founder and P&L owner, solution selling, SOWs and contracts, government proposals, product management, team leadership

EXPERIENCE

Founder and Principal Engineer

Jul 2014 – present

Centreville Tech LLC, with The Edge Mile and ISP Hyperdrive · Centreville, AL

A small firm that builds software, integrations, private wireless networks, and AI systems for clients in telecom, freight, manufacturing, and government.

Private wireless (The Edge Mile and Rapid5GS)

- Wrote Rapid5GS, a GPLv3 installer that brings up a production Open5GS LTE/5G core in one command. At ALANOG-6 it stood up a full LTE core on a \$65 computer in under five minutes. ISPs, government, and enterprise run it. A paid Pro tier funds it.
- Sold and turned up private LTE in 2026 for ISPs and integrators in Illinois, Maryland, Pennsylvania, and the U.S. Virgin Islands: Nokia AirScale CBRS site kits, Rapid5GS Pro cores, and remote RAN turn-up.
- Replaced a commercial packet core with Rapid5GS Pro at an Ericsson LTE site in Pennsylvania.
- Shipped Witcher Edition in October 2026, open source firmware for the Global Telecom Titan 4000 LTE CPE. Fixed IPv6 and replaced the slow web panel.
- Built a SIM generator that makes the IMSI, ICCID, Ki, and OPc for up to 10,000 SIMs, writes the Open5GS import, and checks itself against 3GPP test values.

AI and software (Centreville Tech)

- Runs AI coding agents (Claude Code, Codex) on more than 20 production systems: a live ISP network, client servers, WordPress sites, and ad accounts. Each system has a git runbook that sets the rules, such as read-only by default on network gear.
- Led DNA SAMMIE, a freight visibility platform with AI-predicted ETAs, EDI, and invoicing for Menards.
- Led React Mobile's emergency alert app and its hotel dispatch console.
- Moved NetRise from HubSpot CMS to Next.js and Sanity (330 docs, 682 images), then kept the site on a monthly retainer.
- Rescues AI-built and offshore code and makes it production ready.
- Clients include Command Alkon, CareAR (Xerox), NetRise, DNA Supply Chain, React Mobile, CAI Software, and Haven Today.

WISP growth (ISP Hyperdrive)

- Runs marketing for WISPs: sites that book installs into Splynx, VISP, or UCRM, AI address checks, FCC broadband labels, ads, and tower-camera apps.

Founder and President

Apr 2019 – present

Alabama Lightwave · Centreville, AL

- Founded a fixed wireless ISP that now serves Bibb, Chilton, and Choctaw counties with LTE, Mimosas, and Cambium 6 GHz, plus DIA circuits, managed IT, and hosted VoIP (FreePBX and ClearlyIP) for businesses.
- Leads a five-person team. Still books new installs every week after AT&T fiber and Spectrum overbuilt the area.
- Got Birmingham's new Coca-Cola Amphitheater online for opening night when its fiber ran late: bonded 6 GHz and 5 GHz microwave, a VPN to the Montgomery core, and bursts near 700 Mbps.
- Built a tower weather-camera network that WBRC FOX6 uses on air, plus the LINK app that streams it.
- Peers at MGMIX, Alabama's only internet exchange, and helped revive it.

Board Chairman

May 2022 – present

TiDev, Inc., a 501(c)(3) · Centreville, AL

- Chairs the foundation that stewards Titanium, the open source iOS and Android framework. Helped form it, won 501(c)(3) status, and took over the IP and repos from Axway in April 2022. Ships community releases, including day-0 support for iOS 26.

Software Engineer

Aug 2011 – Aug 2015

BIS Computer Solutions · Birmingham, AL

- Built web and mobile apps in PHP, MySQL, JavaScript, and Titanium, plus Oracle Forms and database work.
- Rebuilt React Mobile's personal safety app in Titanium for iOS and Android.
- Built Kati Sportcap's bulk ordering site and wired orders into its Oracle database.

SPEAKING AND WRITING

- ALANOG-6: "LTE/5G for WISPs: Solving NLOS Without Breaking the Bank," where Rapid5GS debuted. Also a filmed MGMIX talk with Montgomery's CTO.
- Guest on the Beyond the Bandwidth podcast.
- Writes on rural broadband, CBRS, BEAD, and AI search at joshlambert.xyz, including an open letter to WISPA on AI search.

CREDENTIALS

CBRS Certified Professional Installer (CPI) · CJIS Privileged Role · WISPA member