KACPER "CASPER" JABLONSKI

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ACTIVE TS/SCI WITH CI POLYGRAPH • U.S. CITIZEN

PROFILE

Cleared cyberspace operations officer and full-stack engineer who takes systems from requirement to production without a handoff. Offensive and defensive network experience in classified environments, paired with two self-architected production platforms spanning ingestion pipelines, machine learning, cloud deployment, billing, and compliance. Builds and operates agentic AI toolchains daily — custom LLM agents, MCP servers, and packaged automation skills — to compress delivery timelines on small teams. Fluent translating between operators and engineers.

TECHNICAL SKILLS

Languages: Python, TypeScript / JavaScript, SQL, Bash, PowerShell, Dart; Go and Rust (architecture-level)

AI & Agentic Systems: LLM workflow orchestration, Anthropic API, Model Context Protocol (MCP) server development, autonomous agent tooling, packaged/installable agent skills, structured eval and regression harnesses, NLP sentiment classification (Naive Bayes)

Cloud & Platform: Serverless architecture, Vercel, Supabase / PostgreSQL, CI/CD, containerization, Windows Server and Linux/UNIX administration, virtualization, tactical and enterprise network infrastructure

Networking & Security: TCP/IP, packet capture and analysis, tunneling / encapsulation and traffic redirection, VPN architecture, penetration testing, network reconnaissance, exploitation, reverse engineering, CCNA-level routing and switching, PCI-DSS and GDPR compliance

Data Engineering: Multi-source ETL and ingestion pipelines, REST API integration, statistical validation and backtesting, relational schema design

SOFTWARE & AI ENGINEERING

Founder & Lead Engineer | *SignalWraith LLC — signalwraith.com* 2024 – Present

- Architected, built, and launched a production quantitative-signal SaaS platform solo: Next.js front end, Supabase/PostgreSQL backend, serverless deployment on Vercel, and a dual credit/subscription access model with Stripe and PayPal billing.
- Built a social-sentiment machine learning pipeline ingesting high-volume Reddit finance communities; iterated a Naive Bayes classifier across five model generations and scored each against forward price movement, establishing that negative-sentiment heuristics carried materially stronger predictive signal than positive ones.
- Diagnosed recurring serverless 504 timeouts to a compute-in-request-path bottleneck and relocated signal processing client-side — a latency-budget redesign that restored reliability while preserving infrastructure cost economics.
- Exposed platform data to LLM agents through a first-party Model Context Protocol server, making the product natively callable by AI assistants — an integration surface most competitors have not built.
- Shipped the compliance and trust layer: GDPR-conformant privacy documentation, role-based administrative access control, full account-deletion pipeline, and PWA support.
- Owned the business layer end to end: Nevada LLC formation, NAICS classification, and a USPTO intent-to-use trademark filing.

Architect & Project Lead | *ConsensusWire* 2025 – Present

- Architected a real-time news intelligence pipeline performing cross-platform multi-source ingestion, LLM-driven 5W extraction, and corroboration weighting — scoring claims by independent-source agreement rather than publisher volume to suppress single-origin amplification.
- Deployed as a serverless API endpoint with a normalized relational store behind it.

Agentic AI Workflow Engineering | *Independent R&D* Ongoing

- Design, test, and package portable installable AI agent skills with structured test cases and automated trigger-optimization loops — treating agent behavior as testable software with measurable pass rates rather than prompt craft.
- Shipped agents covering crash-safe atomic file-write enforcement triggered by live corruption signals, dual-mode project planning and scaffolding, and multi-repo project orchestration with automated documentation drift auditing.
- Operate a knowledge-base system with marker-file root resolution so agents recover prior operational context across sessions and machines — the same context-continuity problem that governs deployed multi-operator environments.

Encrypted Tunneling Client | *Architecture & Design* 2025

- Designed a packet-encapsulation client to carry SMB and RDP traffic across restrictive and filtered networks: Go/Rust data plane, Wintun TUN driver, and a Noise_IKpsk2 handshake for authenticated key exchange with pre-shared-key resistance.

MILITARY & PROFESSIONAL EXPERIENCE

Administrative & Compliance Officer, USMC | *Marine Detachment (MATSG-21), Fort Eisenhower, GA* Sep 2024 – Present

- Owned the detachment's orders and administrative documentation set, auditing unit practice against Marine Corps regulation, identifying discrepancies, and issuing corrected orders to close them.
- Maintained the detachment in a continuously inspection-ready posture for periodic command audits and administrative inspections — the military analogue of sustaining an accreditation package against a published control baseline.
- Interpreted higher-headquarters policy for a subordinate command and translated it into locally actionable written direction.

Cyberspace Operations Officer Course (Student) | *U.S. Army Cyber School, Fort Eisenhower, GA* Mar – Sep 2024

- Executed penetration testing, network reconnaissance, and exploitation operations against instrumented target networks.
- Performed network traffic capture and analysis, tunneling, and redirection; conducted reverse engineering of binaries and network protocols.
- Applied Cyber Common Technical Core principles across operating system internals, networking, and security, with CCNA-level infrastructure fundamentals.

IT Support Engineer | *Hi-Impact-Tech (Managed Service Provider)* Jan 2020 – Mar 2023

- Delivered end-to-end outsourced IT for a portfolio of small-business clients: tunnel VPN configuration, decentralized backup architecture, and synchronized network shared drives across distributed sites.
- Managed PCI-DSS compliance posture and automated recurring server-side processes to eliminate manual operator touchpoints.
- Maintained SouthWare warehouse management systems and enforced Hazmat shipping compliance through SmartBOL.
- Held concurrently with U.S. Marine Corps Reserve service and full-time undergraduate study.

Tactical Data Systems Administrator, U.S. Marine Corps Reserve | *MCAGCC Twentynine Palms, CA* Oct 2019 – Jul 2020

- Administered deployed tactical networks including virtualized web, database, and messaging servers under field conditions.
- Managed Windows and Linux/UNIX server environments, directory services, and user administration.
- Performed cable repair and hardware maintenance sustaining network availability throughout operational exercises.

IT Intern | *Loop Capital Markets, Chicago, IL* Jun – Aug 2018

- Managed physical LAN infrastructure and user permissions in a financial services environment; resolved user issues through enterprise ticketing and organized departmental datasets.

EDUCATION & ADDITIONAL

B.S. Chemistry, Northeastern Illinois University — 2023 | GPA 3.52

Languages: English (fluent), Polish (fluent), Spanish (conversational)