

Jason O'Neal

Security Engineer | Systems & Automation Specialist

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PROFESSIONAL SUMMARY

Security-focused engineer with 24+ years of experience in full-stack development, systems administration, network security, and vulnerability research. Specializing in threat analysis, secure architecture design, automation, and AI-integrated security tooling. Hands-on background in incident response support, risk assessment, and Linux-based security hardening. Strong communicator capable of translating technical risk into actionable strategy. Completing a B.S. in Cybersecurity to formalize deep practical expertise and pursue Security Engineering or Red/Blue Team roles.

CORE COMPETENCIES

- **Security Research:** Penetration Testing (Kali Linux, Metasploit, Nmap), Vulnerability Assessment, Threat Intel (STIX/TAXII), OSINT.
- **Full-Stack Development:** TypeScript/JavaScript (Next.js, Node.js, React), Python (Django, Flask), PHP, Java, SQL (MySQL, PostgreSQL, MongoDB).
- **Systems & Infrastructure:** Linux Administration (Debian, Ubuntu, Kali), NGINX, Docker, AWS, CI/CD (GitHub Actions), SSH/VPN/DNS Hardening.
- **AI/ML Security:** LLM Tooling, Autonomous Agent Orchestration, MCP Server Development, Prompt Engineering.

FEATURED PROJECTS

Pentest-Agent | *Python, Kali Linux, AI Orchestration*

- Architected a modular, AI-assisted red-team framework that automates reconnaissance and vulnerability discovery.
- Engineered autonomous agents to plan and execute security workflows, reducing manual analysis time for initial recon phases.

GhostMCP | *Python, MCP Protocol, Cybersecurity Tooling*

- Developed a production-ready Model Context Protocol (MCP) server providing AI agents with high-integrity cybersecurity tools.
- Focused on secure tool-calling, data normalization, and defensive guardrails for AI-driven security operations.

Sentry-Flow | *Python, Threat Intelligence*

- Built a threat intelligence sharing platform to collect, normalize, and score Indicators of Compromise (IOCs).
- Implemented curated feed exports in JSON/STIX formats and integrated enrichment APIs for real-time security analysis.

Security-Middleware | *TypeScript, Node.js, Next.js*

- Created drop-in security linting middleware for modern web frameworks to identify insecure headers, CORS misconfigurations, and vulnerable dependencies during development.

PROFESSIONAL EXPERIENCE

BlueDot IT | *Technical/Cybersecurity Consultant / Owner* | Lenoir, NC

Jan 2026 - Present

- Founded and launched a cybersecurity-focused consultancy delivering secure infrastructure design, web application hardening, and network defense services.
- Architect and deploy hardened Linux/NGINX environments with SSH, firewall, and access control enforcement.

- Lead full lifecycle development of secure web applications, from database schema design to production-grade deployment and monitoring.
- Provide small-business security assessments, remediation planning, and risk reduction strategies.

Independent Technical Consultant | Lenoir, NC**Jan 2002 - Dec 2025**

- Designed, deployed, and maintained Linux-based infrastructure with continuous uptime, patch management, and access control enforcement.
- Built custom web applications and automation tooling for independent clients, emphasizing secure coding and maintainable architecture.
- Managed long-term hosting, backups, and system resilience across self-administered environments.

United States Postal Service | *PSE Mail Processing Clerk* | Lenoir, NC Sept 2023 - Feb 2025

- Managed high-volume logistics and time-sensitive processing in a high-pressure environment.

AgTac / Allied Universal | *Security Guard* | Lenoir, NC**April 2021 - Aug 2022**

- Monitored industrial and commercial perimeters; reported suspicious activity and maintained detailed incident logs.

EDUCATION

- **Bachelor of Science in Cybersecurity** | DeVry University | *Expected Graduation: 2027*
- **Associates of Science in Cybersecurity** | DeVry University | *Expected Graduation: Oct 2026*
- **Undergraduate Certificate in IT Essentials** | DeVry University | *Completed: Dec 2025*