

Jon Ledbetter

Chapel Hill, NC 27517 | (334) 467-1774
jon.ledbetter@gmail.com | jledbe20@charlotte.edu
LinkedIn | GitHub (personal) | GitHub (scholastic)
Portfolio — jtledbet.github.io

Professional Summary

Computer science and cybersecurity generalist with experience spanning full-stack web development, IT consulting, systems deployment, network troubleshooting, and security-focused lab work. Strong across Windows and Linux environments, debugging, scripting, and hands-on technical problem solving, with practical experience in React, Node.js, MongoDB, packet analysis, crash-dump investigation, malware triage, and multi-VM testing.

Core Technical Skills

Languages: JavaScript, Python, Java, HTML, CSS, Bash, PowerShell, Visual Basic

Frameworks / Web: React, Node.js, Express, EJS, Passport.js, Django, Angular, REST APIs

Systems / Security: Windows, Linux, Kali, Wireshark, OpenVPN, Event Viewer, crash-dump analysis, malware triage, VirtualBox

Data / Tools: MongoDB, MySQL, SQLite, Git, GitHub, VS Code, Postman, Docker, Apache, Nginx, Figma, LaTeX

Professional Experience

First Dose Fulfillment — Front-End Developer (Freelance / Consulting)

2022–2025

Farcaster Industries

- Contributed front-end development for the First Dose Fulfillment web portal, a React single-page application.
- Created the company logo and delivered production-ready branding assets.

Independent IT Consultant / Full-Stack Developer (Self-Employed)

1998–Present

Chapel Hill, NC

- Delivered technical consulting, troubleshooting, and environment setup across independent client engagements.
- Built and supported systems spanning web development, workstation setup, user support, and general IT troubleshooting.
- Worked across software, networking, deployment, and maintenance depending on client and environment needs.

Independent IT & Network Consultant, H&R Block Franchise (Contract)

2014

Montgomery, AL

- Served as the sole IT resource for a startup tax office; designed and delivered the office technology environment end-to-end.
- Procured and installed network and server hardware, ran cabling, and brought up the office LAN and Wi-Fi.
- Built and deployed servers and Windows workstations, including OS installation, baseline configuration, software provisioning, recovery, and rebuilds.
- Provided day-to-day support, troubleshooting, and network-level acceptable-use controls.

I.T. and Multimedia Tech, University of Alabama at Birmingham

2017–2018

Birmingham, AL

- Maintained and repaired multimedia equipment and built Windows- and Linux-based systems for deployment.
- Supported users with varying technical backgrounds and resolved issues in high-pressure environments.

Selected Technical Projects & Lab Experience

Charlotte Skyline Lighting Coordination System

2021–2022

Team software project for Charlotte Center City Partners

- Built a full-stack web application to manage skyline lighting requests, including event details, color selections, and scheduling.
- Implemented persistence with MongoDB Atlas and Mongoose for pending requests and approved notifications.
- Developed protected areas, calendar and notifications views, server-side routing, and session-based authentication with Node.js, Express, EJS, Passport.js, and dotenv.
- Public reference: GitHub repository; public context: WFAE coverage.
- Configured and troubleshooted OpenVPN lab tunnels, including manual `tun0` interface configuration.
- Completed network security labs in controlled environments, including TCP session hijacking and reverse shell exercises.
- Performed packet capture and traffic analysis with Wireshark; used TCP/IP troubleshooting to diagnose connectivity and session issues.
- Investigated Windows driver and service failures with Event Viewer and related logs, including crash-dump analysis.
- Performed malware triage in sandbox-style environments and built repeatable multi-VM test labs with VirtualBox, Linux, and Kali.

Professional Strengths

- Strong at debugging across software, systems, and network problems, including legacy or poorly documented environments.
- Comfortable moving between full-stack development, infrastructure support, security-focused lab work, and end-user troubleshooting.
- Effective cross-discipline communication and collaboration with both technical and non-technical stakeholders.

Education & Certifications

University of North Carolina at Charlotte

2018–2024

Master of Science in Cyber Security (Dec 2024)

Graduate Certificate in Information Security and Privacy (May 2023)

Bachelor of Arts in Computer Science, *Cum Laude* (Dec 2021)

Minor in Linguistics

Certification: CompTIA A+

Additional training: Full-stack web development boot camp (2018)