

Lucas E. Carpenter

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Summary

Full-stack developer with 3 years building production software and managing real infrastructure — from bare-metal servers to client-facing web apps. Graduating May 2026, open to roles across the full stack.

Education

Indiana University South Bend, BA in Computer Science – South Bend, IN Aug 2022 – May 2026

- ACM Chapter — Secretary, Treasurer & Media Assistant; contributed to 4× membership growth

Experience

IT Technician, Level 3, Indiana University South Bend – South Bend, IN Aug 2023 – present

- Handled networking, telecom, system imaging, and hardware deployment across ~5 campus buildings
- Completed full workstation installs in under 15 min; staffed walk-up help desk for 4,300+ students and 300+ faculty
- Promoted from Level 1 → Level 3 in under 18 months; one of the fastest promotions on the team

Software Developer & IT Support, Regional Plant Nursery Jan 2026 – present

- Built an internal employee search tool that cut lookup time by 3–8 min per query — saving up to 12 hours of staff time daily
- Automated an OCR pipeline to digitize ~20 legacy catalog pages; sole IT technician for all on-site systems

Freelance Web & Security Consultant, Fuerbringer Landscaping & Design, Inc. Jan 2024 – present

- Performed security audit using OWASP ZAP; identified and remediated 2 vulnerabilities, hardening the site against customer data exposure

Freelance Web Developer & IT Support, BP Landscaping Jan 2024 – present

- Built and maintain 5-page site (HTML/CSS/JS) with DNS/domain setup and Google Search Console SEO — live since 2024 with zero downtime
- On-call IT support for all networking and hardware — zero client-reported outages since 2024

Projects

Collab Tier Ranker 2025

- Collaborative tier ranking web app used by live streamers; synchronized state across multiple clients (**JavaScript**, **Node.js**)

SnowBounty 2026

- Two-sided snow removal platform (lucascode.org/snowbounty) with Google OAuth, interactive maps, and leaderboards (**Node.js**, **JavaScript**)

Self-Hosted Infrastructure 2024

- Bare-metal server with Nginx, Docker, custom DNS — hosts sites, tools, and CI pipelines with automated backups (**Nginx**, **Docker**, **Linux**)

Skills

Infrastructure: Docker, Nginx, AWS, Linux

Stack & Tools: Node.js, WebSockets, OAuth 2.0, GitHub Actions, OWASP ZAP

Languages: JavaScript, Java, Python, HTML/CSS

