

Brent Hopkins

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Education

University of Mississippi

Expected graduation: May 2025

B.S. Computer Science with Computer Security Emphasis

Certifications

CompTIA Security+

Professional Experience

Software Developer

May 2023 – present

Knight Angel

- Develop RESTful APIs for mobile applications using NodeJS and MongoDB
- Collaborate with front-end development team to integrate API endpoints
- Utilize Git and GitHub to implement features into codebase
- Assist in designing and maintaining database schema

IT Technician

December 2019 – February 2021

Dr. Osdick's Innovative Solutions

- Configured and wrote internal documentation for Unitrend Backup Appliances
- Built and configured computers for clients
- Maintained client systems to ensure maximum uptime and meet SLAs

Skills

Web-application Security

- Discovered security vulnerability in IT asset management software GLPI (CVE-2023-43813)
- Discovered two vulnerabilities in project management software Leantime (CVE-2023-33961 and CVE-2023-45826)

Reverse Engineering

- Completed challenges on HackTheBox using Ghidra and Binwalk
- Reverse engineered an RC car transmitter using HackRF and URH

Projects

OpenVPN Webadmin

- Manage and configure VPN servers from a web browser
- View internet traffic statistics for servers and individual client sessions
- Includes API endpoint for VPN servers

Ole Miss Job Board

- Developed a mock job, internship, and research listing board for Ole Miss students
- Allows students to apply, save, rate, and comment on listings
- Permits faculty and recruiters to post listings after administrator approval

Organizations

Lafayette County Fire Department

May 2023 – present

Emergency Medical Technician (Volunteer)

- Respond to 911 calls for medical emergencies in Lafayette County
- Collaborate with Paramedics and other EMTs to provide effective patient care
- Licensed EMT in the state of Mississippi