Shane Silvernail

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PROFESSIONAL SUMMARY

Cybersecurity and software engineering professional with hands-on experience in full-stack development, Agile workflows, and secure coding. Proficient in Python, SQL, JavaScript, and cloud technologies, with a track record of delivering scalable, secure applications. Committed to enhancing system security and performance through innovation and best practices.

EDUCATION

PURDUE UNIVERSITY   Expected October 2025
Master of Science: Information Technology; Focus on Cybersecurity
UNIVERSITY OF CENTRAL FLORIDA
B.S Computer Science
VALENCIA COLLEGE
A.A. General Studies

CERTIFICATIONS

SOFTWARE ENGINEERING CAREER TRACK - Springboard
CYBERSECURITY - Google
A+ - CompTIA

WORK EXPERIENCE

CACERES MARINE, LLC. (Small Business / Project Hire)   Daytona Beach, FL
Junior Associate Software Engineer   June 2024 - Present
- Contribute to full-stack development across frontend (HTML/CSS/JS) and backend (Python, Java, SQL)
- Build and maintain RESTful APIs using Flask and PostgreSQL to support web app functionality
- Implement secure user authentication using BCrypt and follow secure coding standards
- Use Git and GitHub for version control, branching, and collaborative code reviews

SILVERNAIL TARP SERVICES, LLC. (Small Business)   Orlando, FL
Small Business Owner and Founder   June 2020 - Present
- Found and operate a roof tarping company providing emergency roofing solutions to over 200 clients
- Oversee logistics, client communication, insurance negotiations, and quality assurance
- Apply strategic planning, budgeting, and project execution to ensure smooth operations and client satisfaction

PROJECTS

PyScan · Python, Socket, Threading, Jinja2, WeasyPrint
- Developed PyScan, a Python-based CLI tool to scan IPs, detect open ports, grab banners, and match known CVEs
- Implemented multi-threaded scanning with HTML/PDF report generation

CyberShane Portfolio · React, Tailwind CSS, JavaScript, Git, Netlify
- Created and deployed a personal portfolio site showcasing projects, skills, and resume
- Focused on a clean UI, mobile responsiveness, and secure Git-based version control

SKILLS

Technical Skills: Python, SQL, JavaScript, HTML, CSS, React, Node.js, Flask, Git, PostgreSQL
Cybersecurity & IT: Encryption, Endpoint Security, Network Security, Cloud Computing, Incident Response, Penetration Testing
Software & Platforms: Microsoft Project, Microsoft Visio, Adobe Photoshop, APIs, Database Management
Other: Agile/Scrum, Compliance & Risk Management, Spanish: Basic ability to read, write, and speak