

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

MarvelPedia · Python, HTML, SQL, Flask, PostgreSQL

- Developed a secure, API-driven Marvel character database app with user login/authentication using BCrypt
- Implemented search features and clean UI, improving character lookup functionality

Warbler · Python, Flask, WTForms, BCrypt, HTML, and SQL

- Created a social networking platform (based on X) allowing users to post, follow, and interact
- Built a secure login system and followed RESTful architecture with efficient data handling

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