

William 'Trey' Dedman

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SKILLS

Languages & Frameworks: TypeScript, JavaScript, React, Next.js, HTML5, CSS3, Tailwind CSS
Back-End & Databases: Node.js, Express, PostgreSQL, Supabase, RESTful APIs
CMS & Platforms: WordPress, WooCommerce, CentOS, Vercel, AWS
Tools & Software: Git, GitHub, VS Code, Figma, dbdiagram.io, Adobe Creative Cloud

PROJECTS

Snipster, Code Snippet Manager

[Live Demo](#) | [GitHub](#)

- A full-stack code snippet manager built with React, TypeScript, Node.js, and PostgreSQL, styled with Tailwind CSS and architected with a serverless backend using Supabase, and deployed via Vercel's CI/CD pipeline for continuous delivery.
- Engineered secure user authentication with JWT and bcrypt, integrated GitHub OAuth for a seamless login and crafted a responsive interface with real-time validation and error handling to ensure smooth user interactions.
- Developed a dynamic snippet organization system with CodeMirror syntax highlighting, tagging, and folder management for efficient storage and retrieval.

CyBear Lock, Password Manager

[Live Demo](#) | [GitHub](#)

- A full-stack password manager built with React, TypeScript, Node, Express, PostgreSQL, styled with Tailwind CSS and deployed to AWS.
- Utilized CryptoJS AES for encrypting credentials in the database and implemented user authentication, password hashing and session management to ensure secure access.
- Designed an intuitive, responsive, and user-friendly UI to streamline access to stored credentials with minimal clicks.

Crypto Watchlist, Real-Time Crypto Tracker

[Live Demo](#) | [GitHub](#)

- A mobile-first web app that allows users to search, view, and save cryptocurrencies using live market data from the CoinCap API. Built with HTML, CSS, and TypeScript.
- Prioritized a clean, simple design to maximize readability and usability, displaying data clearly and efficiently.
- Integrated external REST API to fetch and display real-time crypto pricing and 24-hour changes.

PROFESSIONAL EXPERIENCE

PC Matic, Inc.

01/2018 – 02/2024

macOS Research Team Manager

- Led a cross-functional team of five to identify and remediate five critical security flaws within one year, ensuring compliance with organizational security protocols, and coordinated the resolution of the vulnerabilities.
- Trained team members on security tools and processes, fostering clear communication and efficient workflows.
- Partnered closely with devs to test and refine PC Matic for Mac, contributing to a successful launch in 2019.

Malware Researcher

- Managed monthly threat reports for the Cybersecurity & Infrastructure Security Agency (CISA), maintaining precise database updates and documentation.
- Collaborated on PowerShell and Python scripting solutions, driving a 30%+ increase in efficiency.
- Conducted high-volume analysis of 600,000+ program files and 400,000+ digital certificates with a sustained 98% threat detection accuracy.

EDUCATION

Web Development, [LearningFuze](#)

2025

Immersive 800+ hour hands-on program focused on full-stack development, Agile methodology, and collaboration.

MS in Cyber Security, [Liberty University](#)

2017

BS in Management Information Systems, [Liberty University](#)

2013