William 'Trey' Dedman *Software Developer*

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Skills

- Languages & Technologies: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Node.js, Express, PostgreSQL, RESTful APIs

- Tools & Platforms: Git, GitHub, VS Code, AWS, Figma, dbdiagram.io

Projects

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.
- Implemented user authentication, password hashing and session management to ensure secure access.
- Utilized CryptoJS AES for encrypting credentials in the database and securely decrypting them for display.
- Designed an intuitive, responsive, and user-friendly UI to streamline access to stored credentials with minimal clicks.

Crypto Watchlist, *Real-Time Coin 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.
- Created reusable UI components and responsive card layouts for a seamless mobile experience
- 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 members, spearheading efforts that discovered and remediated five critical security flaws within one year, safeguarding sensitive customer data.
- Coordinated with the development team to address and resolve security vulnerabilities.
- Contributed to the development of PC Matic for Mac, partnering closely with developers to deliver a successful product launch in November 2019.

Malware Researcher
- Compiled emerging threats to share with the Cybersecurity & Infrastructure Security Agency (CISA) orchestrating precise monthly reporting and database management.
- Collaborated on PowerShell and Python scripting solutions, driving a 30%+ increase in efficiency.
- Discovered and eliminated redundant processes, reducing consumption of company resources by 25%.
- Examined over 600,000 program files and 400,000 digital certificates, mitigating security threats.

Education

Web Development, *LearningFuze* ✎   2025
- Immersive 800+ hour hands-on program focused on full-stack development, Agile methodology, and collaboration.

Master's in Cyber Security, *Liberty University* ✎   2017

Bachelor's in Management Information Systems, *Liberty University*   2013