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 security protocols.
- Trained team members on security tools and workflows, improving collaboration and response times.
- Partnered closely with developers 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 accurate and timely updates to internal threat databases.
- Authored clear and concise documentation to improve both verbal and written communication of complex technical topics for internal teams, stakeholders, and non-technical users, enhancing understanding and streamlining support.
- Conducted high-volume analysis of over 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