

EMIL WILLIAM

FULL-STACK DEVELOPER

[GitHub](#) [LinkedIn](#) [Portfolio](#)

PROFILE

Architecturally-focused Full-Stack Developer with a specialization in building secure, high-performance web applications. Proven expertise in bridging the gap between mission-critical backend systems (RBAC, Financial Logic) and premium, high-fidelity user interfaces (Framer Motion, 1:1 Design Parity). Experienced in delivering production-ready features within high-velocity studio environments.

EXPERIENCE

Full-Stack Developer (Technical Residency)	JAN 2026
DODOX STUDIO	
LIVORA E-COMMERCE	
Refactored backend pricing architecture to separate Subtotal and GST calculations , implementing Pause-based integer math to ensure 100% historical accuracy.	
Re-engineered Role-Based Access Control (RBAC) middleware for Admin and Kitchen flows, hardening API security while maintaining frontend compatibility.	
Centralized mission-critical constants and eliminated magic numbers in the controller to improve long-term architectural maintainability.	
STUDIO MIRAE CREATIVE AGENCY	
Developed a high-performance Hero Reveal utilizing Anchor-Lock Architecture and GPU-accelerated spring transitions to achieve sub-pixel precision.	
EVOLV SOCIAL IMPACT	
Achieved 1:1 parity with Figma easing curves and timing via Framer Motion parameters for high-fidelity component transitions.	
Resolved critical layout collisions on iPad Pro viewports by recalibrating grid systems and implementing conditional line-break logic.	

SKILLS

Full-Stack Languages	Frameworks & Libraries
JavaScript (ES6+), TypeScript, Node.js, HTML5, CSS3, Rust (Basics)	React, Next.js, Vite, Tauri, Express.js, Headless UI

Architecture & Security	Premium UI/UX
RBAC Security, Middleware Hardening, MongoDB (Schema Design), Financial Logic (GST/Tax)	Tailwind CSS, Framer Motion (Physics-based), Responsive Design, Native App Development

Engineering Tools
Git, GitHub Actions, AI-augmented Peer Review, Figma, Xcode, VS Code

PROJECTS

Cinera (macOS Application)	Video Demo
Tech Stack: Tauri, Rust, React, TypeScript, Tailwind CSS	
Conceptualized and designed a native macOS application for movie discovery, focusing on a clean, performant, and platform-consistent UI/UX.	

Architected the user workflow from initial search to detailed content view, solving challenges in data presentation and state management.

Spotify Dashboard	Live Demo	GitHub Repo
Tech Stack: React, Vite, Tailwind CSS, Spotify API		
Engineered a full-stack music analysis dashboard with secure Spotify API integration for user authentication (OAuth 2.0) and data visualization.		

Implemented a custom AI feature using the Google Gemini API to generate sophisticated, narrative-based analyses of a user's unique listening habits.

Expense Splitter Pro	Live Demo	GitHub Repo
Tech Stack: React, TypeScript, Vite, Tailwind CSS, Framer Motion		
Developed a feature-rich Single-Page Application (SPA) with advanced state management to simplify group expense tracking and settlements.		

Implemented flexible splitting logic (equal/custom amounts) and utilized browser local storage for persistent session data.

EDUCATION

Bachelor of Computer Applications (BCA)

AMRITA VISHWA VIDYAPEETHAM

2022 – 2025

Higher Secondary Education

AMRITA VIDYALAYAM

2017

CERTIFICATIONS

CCNAv7: Introduction to Networks

Cisco Networking Academy

Completed: June 2024

Programming Essentials in Python (PCAP)

Cisco Networking Academy

Completed: February 2024

Capstone MOOC for Android App Development

Vanderbilt University (Coursera)

Completed: January 2025

Responsive Website Development and Design Specialization

Coursera

Completed: June 2025