

# 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)**  
[DODOX STUDIO](#)

JAN 2026

**LIVORA | E-COMMERCE**

- Refactored backend pricing architecture to separate **Subtotal and GST calculations**, implementing **Paise-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**

JavaScript (ES6+), TypeScript, Node.js, HTML5, CSS3, Rust (Basics)

**Frameworks & Libraries**

React, Next.js, Vite, Tauri, Express.js, Headless UI

**Architecture & Security**

RBAC Security, Middleware Hardening, MongoDB (Schema Design), Financial Logic (GST/Tax)

**Premium UI/UX**

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