

Mike Veit

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<https://vemarasolutions.com/work>

PROFESSIONAL SUMMARY

Versatile and results-driven Software Engineer with hands-on experience building and deploying mobile and web applications from the ground up. Adept in front-end development, backend architecture, AI integration, and cross-platform deployment. Passionate about clean, scalable code that delivers real-world value. Experienced in leading teams, managing clients, and bringing complex products to life.

TECHNICAL SKILLS

Languages & Frameworks: Swift, SwiftUI, Objective-C, Java, Kotlin, JavaScript, TypeScript, React, React Native, GraphQL, Python, OpenCV, NumPy, SciPy, librosa, FastAPI, JWT

Tools & Platforms: Xcode, Android Studio, Firebase (Auth, Realtime Database, Cloud Messaging), AWS (S3, Boto3), Render, Stripe, FFmpeg, OpenAI API, AssemblyAI, Visual Studio, Azure, Git, Figma, App Store Connect, Microsoft DevOps, JAMF, SimpleMDM

Methodologies: MVVM, Agile/Scrum, CI/CD, Component-based Architecture, Accessibility, User-Centered Design, Multi-Modal AI Integration, Real-time Data Streaming (SSE), Webhook-driven Architecture, Content-Aware Processing, MVVM, Agile/Scrum, CI/CD, Component-based Architecture, Accessibility, User-Centered Design

PROJECTS

ClipAI – Founder & Lead Engineer

<https://app.useclip.ai>

<https://apps.apple.com/us/app/clipai-ai-video-editor/id6748229814>

AI-powered platform that automatically generates tailored short-form clips from long-form video using computer vision, NLP, and advanced video processing pipelines.

- Built an intelligent clip detection engine using OpenCV motion analysis, librosa audio features, and GPT-4 for semantic relevance – achieving **90%+** accuracy.

- Achieved up to **40.7% faster processing** on short videos and **28.6% time savings** on long-form content compared to top competitors, validating ClipAI's architectural efficiency under increased CPU load.
- Reduced per-minute processing costs by over **92%** compared to leading solutions while maintaining **~90% gross margins**, demonstrating ClipAI's scalable infrastructure and cost-optimized AI pipeline.
- Developed cross-platform architecture with React (web), React Native (mobile), FastAPI backend, and Firebase (auth/realtime database), supporting real-time progress via Server-Sent Events.
- Engineered FFmpeg-based video pipeline with dynamic subtitles, custom watermarks, and S3-optimized storage using presigned URLs.
- Implemented content-specific prompting logic for GPT-4 (e.g. fitness, gaming, tutorials) to generate clips with transcript sync and viral-optimized captions.
- Integrated Stripe billing with webhook-driven usage tracking, tiered pricing, and minute-based consumption logic.
- Deployed cloud-native infrastructure on AWS/Render with FCM for push notifications, auto-scaling, and 99.9% uptime.

MacroTrack – Founder & iOS Developer

<https://apple.com/us/app/macrotrack-nutrition-tracker/id6743007561>

Comprehensive nutrition tracking app built with SwiftUI and Firebase, offering real-time data sync, advanced macro calculations, and social-ready sharing tools.

- Architected the app using MVVM pattern with Firebase Authentication, Realtime Database, Analytics, and Crashlytics.
- Integrated FatSecret API with secure credentials via Firebase Remote Config, handling complex nutritional data parsing and transformation.
- Built a full macro calculator based on Mifflin St. Jeor BMR/TDEE formulas, with custom meal creation and gesture-driven navigation.
- Implemented in-app screenshot sharing features for meals, nutrition summaries, and daily goal progress.
- Prepared for monetization by integrating RevenueCat SDK with dynamic paywall support and subscription tracking.
- Engineered over 25 Swift files with complex data models, error handling, real-time observers, and photo library access.
- Designed animated onboarding, tabbed UI, and dynamic progress components to enhance user engagement.
- Successfully launched to the App Store with complete production build setup and analytics configuration.

Save Bread – Co-Founder & iOS Engineer

iOS app helping college students discover local discounts.

- Developed user authentication, geolocation, and notification features in Swift.

- Led product design and pitch – winner of 2019 Hawk Tank Competition at Monmouth University.
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PROFESSIONAL EXPERIENCE

LainaHealth (formerly IncludeHealth Inc) – Front-End Engineer (Contract)

Jan 2025 – Present

- Developed a responsive React-based telehealth app for physical therapy, improving patient workflows and clinician tools.
- Built reusable UI components with modern React (hooks, TypeScript), focusing on accessibility and responsive design.
- Worked closely with QA and product teams to streamline sprint delivery and cross-browser compatibility.
- Integrated GraphQL queries and mutations to support real-time clinical data updates.

Vemara Solutions – Founder & CEO

Mar 2024 – Jan 2025

- Ran a boutique dev consultancy delivering custom web and mobile apps for startups and small businesses.
- Architected systems using React Native, Firebase, Swift, and Kotlin; led hiring, client management, and delivery.
- Interfaced directly with clients to define scope, write proposals, and ensure on-time technical delivery.
- Oversaw sprint planning, code reviews, and infrastructure deployment across multiple projects.

Fiserv – Mobile Engineer

May 2022 – Aug 2024

- Delivered new features for enterprise mobile banking apps on iOS and Android.
- Refactored legacy codebases into modular, testable Swift/Kotlin components.
- Mentored junior engineers, improving team skillsets and onboarding experience across platforms.
- Integrated biometric auth, analytics SDKs, and push notification systems to enhance app experience.
- Authored technical documentation and development guides to streamline internal processes and knowledge sharing.

IncludeHealth Inc – Front-End Engineer

Jan 2021 – May 2022

- Developed computer-vision-enhanced apps for remote physical therapy using React, Swift, and GraphQL.
- Built joint-angle detection tools and handled full-stack development + DevOps.
- Managed CI/CD pipelines, versioning, and cross-platform deployment via Azure Pipelines and GitLab.
- Collaborated with CV engineers to fine-tune pose detection logic.

Damikaa Consulting – iOS Engineer (Contract)

Aug 2020 – Jan 2021

- Created a secure internal media-sharing iOS app with custom video capture and Dropbox/AWS integration.
- Implemented efficient asset upload and preview logic using AVFoundation and background queues.
- Delivered weekly sprints with client feedback integration in a fast-paced consulting environment.

EDUCATION

Rutgers University

Bachelor of Arts in Business Administration (in progress) – Expected May 2026

DeVry University

Associate of Applied Science in Computer Science - October 2020

References available upon request