

JUDSON DUNNE

802-230-8811 | judson.dunne@gmail.com | linkedin.com/in/judson-dunne | github.com/judsondunne

EDUCATION

Bachelor of Science, Computer Science - Lafayette College

Easton, PA

EXPERIENCE

Founder & CEO - Locava Dec 2023 – Present

Easton, PA · On-site

- Architected and shipped Locava's native Android client (549 Kotlin files across 23 Gradle modules) alongside a native iOS/Swift client, sharing core business logic via a Kotlin Multiplatform (KMP) module exported as a framework into iOS; built and maintained solo.
- Enforced a strict layered module architecture (app, feature, data, domain, core, each depending only inward) across 16 feature modules, with domain kept free of all Android framework types and feature modules barred from importing one another.
- Built MVI/MVVM architecture on Jetpack Compose with immutable UiState (StateFlow), UiAction, and one-shot UiEvent (SharedFlow), backed by Hilt-injected ViewModels and coroutine/Flow-based async throughout.
- Implemented Locava's Android networking layer with Apollo Kotlin against a shared GraphQL Backend v2 API (Ktor Client 3 as the underlying HTTP engine), with room backed local caching for feed, map, and trip data, plus a battery aware foreground location tracker on FusedLocationProviderClient with custom commit gating logic (displacement, elapsed time, accuracy thresholds).
- Built and maintained REST and GraphQL backend services with Node.js/Express, integrating mobile clients with scalable APIs; implemented automation workflows, telemetry, CI/CD pipelines, and automated regression and integration testing across mobile and web.
- Owned release management across both platforms: shipped Android to the Google Play Store, and IOS to app store (1.5 years at 5 stars)
- Grew the platform to 10k+ organic users and 8,000+ user generated posts with zero paid acquisition, sustaining ~50% weekly retention
- Raised a seed funding round and hired/managed a team of 8, including 2 full-time engineers and 6 interns, running sprint planning, code review, and collaboration across engineering, growth, and content.

Lead Product Manager - Insight Lab, Lafayette College Spring 2025

Easton, PA · On-site

- Led a cross disciplinary team building AI/ML models and GenAI workflows on Microsoft Azure, using U.S. Census data to generate policy recommendations and automate analysis.
- Owned project scope, timeline, and cross-functional collaboration across data science and policy workstreams.

Head of User Interface - SpaceOna Oct 2023 – Apr 2025

Philadelphia, PA · Remote

- Designed and built responsive, brand-aligned web interfaces using React.js and Tailwind CSS, applying object-oriented and component-based design principles.
- Partnered with the product team to gather user feedback and iterate on UI/UX.

Blacksmith & Head of Marketing/Sales - Misty Mountain Forge Apr 2020 – Jun 2023

Quechee, VT · On-site

- Managed a high-throughput production workflow while training and leading fellow blacksmiths, and led marketing/sales efforts for the business.

PROJECTS

throttlekit - Rate Limiting Library - Creator Aug 2026

- Designed and published an open-source TypeScript rate limiting library (fixed window, sliding window log, token bucket) with a Jest test suite covering edge cases and GitHub Actions CI.

RidgeSync - Backpacking Route Planner - Founder & Developer Side Project

- Built and shipped a production multi-day backpacking planner with React Native, Next.js, Express, and PostgreSQL, implementing trail-snapped routing, elevation profiles, and search infrastructure; live on the iOS App Store and web.

SKILLS

Android: Kotlin, Kotlin Multiplatform (KMP), Jetpack Compose, Coroutines & Flow/StateFlow, Hilt, Room, Apollo Kotlin, Ktor Client, CameraX, Media3/ExoPlayer, WorkManager, Mapbox Maps SDK, ML Kit

Languages: Kotlin, JavaScript, TypeScript, Python, SQL, HTML/CSS

Frontend & Web: React, React Native, Next.js, Tailwind CSS

Backend & Data: Node.js, Express, REST APIs, GraphQL, Firebase (Auth, FCM, Firestore), PostgreSQL

Cloud, Infra & Testing: Google Cloud (Cloud Run, Cloud Tasks), Git/GitHub, Jest, Espresso, XCTest, telemetry

AI & Other: GenAI workflows, LLM agents, Cursor, Claude Code, Figma, OOD