

JUDSON DUNNE

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Software engineer who built Locava from 0 to 10,000+ users across iOS, Android, and web, then raised a pre-seed round and led a team of 8.

EDUCATION

Bachelor of Science, Computer Science, Lafayette College

Expected May 2027

Easton, PA

Relevant Coursework: Data Structures, Algorithms, Databases, Operating Systems, Machine Learning, Software Engineering, Linear Algebra

EXPERIENCE

Founder & Lead Engineer, Locava

Dec 2023 to Present

Easton, PA · On-site

- Built Locava from 0 to 10,000+ organic users and 8,000+ user-generated posts with zero paid acquisition, sustaining ~50% weekly retention, as sole engineer before raising a pre-seed round.
- Shipped Locava across Android, iOS, and web with React Native, using native Kotlin and Swift code alongside the shared codebase to implement platform-specific features and optimize performance across devices.
- Built and operated the backend on Google Cloud Run: Node.js and Fastify services behind a GraphQL (Apollo) API, with Firestore, Redis caching, BigQuery analytics, Cloud Tasks for async work, and OpenTelemetry instrumentation.
- Enforced a strict layered architecture across 16 feature modules (app, feature, data, domain, core, each depending only inward) with a unidirectional MVI-lite state layer on Jetpack Compose, backed by Hilt-injected ViewModels with coroutines and Flow throughout.
- Built the mobile networking layer with Apollo Kotlin over Ktor Client 3, Room backed caching, and a battery-aware location tracker on FusedLocationProviderClient; integrated Mapbox GL, Media3/ExoPlayer, CameraX, and on-device ML Kit image labeling.
- Hired and led a team of 8 (2 full-time engineers, 6 interns), running sprint planning and code review. Owned release management on both stores for 1.5+ years at a 5-star rating.

Software Engineering Intern, promoted to Head of User Interface, SpaceOna

Oct 2023 to Apr 2025

Philadelphia, PA · Remote

- Led UI for 18 months on an IoT dashboard turning live sensor data into real-time availability for physical spaces, building responsive production interfaces and the design system in React and Tailwind CSS inside an existing team codebase.
- Built and owned the design system, working inside an existing team codebase against product feedback.

Lead Product Manager, Insight Lab, Lafayette College

Spring 2025

Easton, PA · On-site

- Led a cross-disciplinary team building AI/ML models on Azure ML trained on U.S. Census data for Pennsylvania to generate policy recommendations, owning scope, timeline, and collaboration across data science and policy workstreams.

Founder & Blacksmith, Misty Mountain Forge

Apr 2020 to Jun 2023

Quechee, VT · On-site

- Built the forge at fourteen and ran it as a business for three years, shipping hundreds of pieces while training other blacksmiths and running sales.

PROJECTS

RidgeSync, Backpacking Trip Planner, Co-Founder & Developer

ridgesync.app

- Shipped a multi-day backpacking planner across web, iPhone, and Apple Watch (React Native, Expo Router, watchOS, TanStack Query) with Valhalla trail-snapped routing, live elevation profiles, and Turf.js/PMTiles geospatial rendering.
- Built 7 trail datasets from raw OpenStreetMap pipelines and a PostgreSQL/pg_trgm meal-planning search on Supabase; a fully planned trip works with no signal. Live on the iOS App Store.

throttlekit, Rate Limiting Library, Creator

Aug 2026

- Published an open-source TypeScript rate-limiting library (fixed window, sliding window log, token bucket) behind one API, with a Jest suite and GitHub Actions CI.

AWARDS

- 1st place, Big Idea Pitch Competition, Dyer Center for Innovation & Entrepreneurship, Lafayette College (2025), \$1,500 prize for Locava.
- 1st place, Lehigh Valley Hackathon (2024), 24 hours, built and shipped on the theme of helping the local community.
- Best Visual Design, Lafayette x Lehigh Rivalry Hackathon (2023).

SKILLS

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

Frontend & Mobile: React, Next.js, React Native, Expo Router, watchOS, Tailwind CSS, TanStack Query, Jetpack Compose, Kotlin Multiplatform (KMP)

Backend & Data: Node.js, Fastify, Express, GraphQL (Apollo), REST, PostgreSQL, Supabase, Firestore, Redis, BigQuery

Cloud, Infra & Testing: Google Cloud Run, Cloud Tasks, Firebase, Wasabi (S3), GitHub Actions, CI/CD, Jest, OpenTelemetry, PostHog

AI, ML & Geo: GenAI workflows, LLM agents, on-device ML (ML Kit), Azure ML, Mapbox GL, Valhalla routing, OpenStreetMap