

# DHRUV JAIN

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## EXPERIENCE

### Phodeco Ind Pvt Ltd

July 2025 – Present

Founding Engineer

Remote

- **Cloud & Infrastructure** [GCP, Firebase, Firestore, Cloud Functions] – Architected full backend for India's first celebration-services platform; scaled to **2K+** users.
- **Product** [Flutter, Dart, Riverpod] – Co-built **4 live apps** (2 Android, 2 iOS) with offline sync and state management, web admin panel (bookings, vendor KYC, KPI dashboards), and phodeco.com marketing website.
- **Integrations** [Meta, MSG91, DLT, Webhooks] – Integrated WhatsApp Business API for automated customer query resolution; replaced Firebase OTP with DLT-registered MSG91 flow, **reducing auth costs** significantly.
- **Find My Photos & CI/CD** [GhostFaceNets, Docker, Fly.io, Fastlane, Shorebird] – Built and deployed face-recognition feature; automated build and release pipelines across Android and iOS.

### Digilateral Solutions

January 2024 – July 2024

Mobile App Developer Intern

Malad, Mumbai

- **Sun Pharma** [Flutter, iOS, Sentry.io] – Built 2 client products including an iPad VA for Medical Representatives and Sompraz, a medical app with data persistence and crash monitoring; supporting legacy devices to iPad 1st Gen (iOS 12.5.7), deployed **pan-India** across regional zones.
- **App Delivery** [App Store Connect, Play Console] – Shipped **5 production apps** with REST API integration across multiple client engagements.

## PROJECTS

### Roam | Kotlin, Go, Jetpack Compose, BLE, Wi-Fi Direct, MapLibre, gRPC

August 2026 – Present

- Architected a **zero-infrastructure mobile platform** combining Jetpack Compose and an embedded native Go routing daemon via local gRPC for sub-millisecond offline vector map rendering (PMTiles / MapLibre) without cellular connectivity.
- Engineered a **P2P data sync protocol** over Wi-Fi Direct star mesh with zero-footprint Group Owner relays, enabling 128 KB chunk streaming, automatic seeder failover, and bitmask-tracked mid-transfer resumption.
- Designed **battery-optimised BLE presence discovery** with adaptive scan budgeting and offline multi-peer telemetry including SOS broadcasts, GPS trail retracing, and peer proximity overlays.

### FailSafe | Go, Docker, Prometheus, REST

February 2026 – April 2026

- Chaos engineering platform injecting controlled faults (CPU stress, memory pressure, network delay, container crashes) across **microservices, web frontends, and Android APKs**.
- Adaptive **binary-search fault injection** identifies breaking thresholds; computes blast radius, cascade depth, and recovery time from real-time **P95 latency** telemetry at 1-second intervals.
- Orchestration layer manages experiment lifecycle and fault strategy; monitoring engine tracks **per-endpoint latency, error rate, uptime, and CPU/memory** at 1-second intervals.

## EDUCATION

### Vidyavardhini College of Engineering & Technology

2024 – 2027

Bachelor of Engineering, Computer Engineering

Mumbai, Maharashtra

### Government Polytechnic Mumbai

2021 – 2024

Diploma, Computer Engineering — **95.58%**

Mumbai, Maharashtra

## EXTRACURRICULAR & ACHIEVEMENTS

### Organizer — Google Developers Group on Campus, VCET

September 2025 – Present

### Google Arcade Facilitator Program — Legend Tier

2025

## TECHNICAL SKILLS

**Languages:** Dart, Kotlin, Go, Python, Java, JavaScript, SQL

**Frameworks & Libraries:** Flutter, Jetpack Compose, Node.js, Flask, GetX, Riverpod

**Mobile & DevOps:** Android SDK, iOS/Xcode, MapLibre, App Store Connect, Google Play Console, Docker, Firebase, GCP, Fastlane, Fly.io

**Networking & Protocols:** Wi-Fi Direct (P2P), BLE, gRPC, Protocol Buffers, PMTiles

**Integrations:** WhatsApp Business API, MSG91, Shorebird, Sentry.io, REST APIs, Postman, Appwrite