

Mudabbir Hasan Dar

Lahore, Pakistan • mudabbirdar5@gmail.com • [linkedin.com/in/mudabbir-dar/](https://www.linkedin.com/in/mudabbir-dar/) • <https://mudabbir-hasan.vercel.app/>

PROFESSIONAL SUMMARY

Flutter and full-stack developer with nearly 3.5 years of experience building and shipping cross-platform mobile and web applications. Comfortable across the entire product stack — from Flutter and React frontends to Flask/Python backends and PostgreSQL databases. Have delivered production apps in healthcare, AI tooling, and IoT/Bluetooth spaces. Experienced in working directly with clients through meetings, requirement gathering, progress updates, and translating business needs into technical solutions. Work well independently, communicate proactively, and move fast without sacrificing code quality.

SKILLS

Mobile Development: Flutter, Dart, Cross-Platform iOS & Android, BLE / Bluetooth Integration

Frontend: React.js, Next.js, Responsive Web Development, REST API Integration

Backend & APIs: Flask (Python), RESTful API Design, Python, Quartz Scheduler

Databases: PostgreSQL, Database Design, Query Optimization

Tools & Workflow: Git, GitHub, Agile/Scrum, VS Code, Cursor, Postman

Soft Skills: Remote Collaboration, Async Communication, Problem-Solving, Fast Learner

EXPERIENCE

Project Based Software Engineer (Flutter + Python) | *Coderslodge* June 2025 – Present

- Build and maintain a production Flutter application backed by a Python/Quartz backend, owning frontend, API layer, and database work end-to-end.
- Design and implement scheduled job workflows using Quartz Scheduler, reducing manual processing overhead.
- Collaborate across the full stack in single sprints — cutting coordination delays and accelerating feature delivery.
- Maintain PostgreSQL schemas and write optimized queries to support application performance at scale.
- Managed end-to-end mobile app deployments on Google Play Console and Apple App Store, including release builds, versioning, compliance checks, and production rollouts.

Software Engineer (Flutter + Flask) | *Devflovv* Oct 2024 – June 2025

- Developed a full-stack Flutter + Flask product from the ground up, handling both the mobile UI and the Python REST API layer.
- Designed and implemented RESTful APIs consumed by the Flutter frontend, improving response consistency and reducing client-side errors.
- Worked closely with product stakeholders to translate feature requirements into shippable code within tight timelines.
- Managed PostgreSQL database design and migrations as the product scaled.

Software Engineer (React, Next.js, Flutter) | *Techanzy Limited* Jan 2023– Oct 2024

- Built and maintained high-performance, responsive interfaces using React and Next.js, with a strong emphasis on scalable component architecture, clean code practices, and long-term maintainability after project handoff.
- Progressed from web development in React and Next.js into Flutter mobile development within the same role, consistently delivering production-ready features across both platforms and expanding cross-functional ownership.
- Led internal upskilling and mentorship sessions for junior developers on Flutter fundamentals and React best practices, with recorded sessions later adopted as part of the team's onboarding and knowledge-sharing resources.
- Represented the engineering team at a company hiring fair, evaluating technical candidates and directly contributing to talent acquisition decisions — a responsibility entrusted within the first two years of the role.

PROJECTS

Boppo — Consumer IoT App (Bluetooth Low Energy) — *Flutter · Dart · BLE · GATT · flutter_blue_plus · iOS · Android*

- Architected the complete BLE communication layer from scratch — device scanning with advertising filters, GATT characteristic reads/writes, and real-time notification subscriptions delivering live peripheral data to the UI with zero dropped packets under sustained streaming.
- Engineered a connection state machine covering the full device lifecycle (disconnected → scanning → connecting → connected → reconnecting), including exponential-backoff auto-reconnect that survives app backgrounding, signal loss, and mid-session Bluetooth resets.
- Solved the cross-platform BLE problem in production: divergent Android 12+ runtime permission splits (BLUETOOTH_SCAN / BLUETOOTH_CONNECT) vs. iOS CoreBluetooth's NSBluetoothAlwaysUsageDescription grant flow — implemented separate platform-channel code paths so both behaved identically from the user's perspective.

AI Maker Pro — AI-Powered Mobile Product — *Flutter · Python · Quartz Scheduler · Flask · REST API · PostgreSQL*

- Owned the product end-to-end: Flutter client, Python REST API, database layer, and background job infrastructure — shipping features across all four layers within single sprint cycles, eliminating handoff delays.
- Migrated background processing from Flask to Quartz Scheduler, making AI jobs observable, retry-safe, and operable in production — reducing silent failure incidents and enabling granular job-level monitoring.
- Took sole ownership of App Store Connect and Google Play Console releases: versioning strategy, compliance checks, phased rollout tracks, and production deployments — zero rejected builds across all releases.

Kaizen — Healthcare Mobile Application — *Flutter · REST API · PostgreSQL · iOS · Android*

- Built the complete Flutter frontend for a dual-audience healthcare platform (patients and providers), implementing appointment scheduling, clinical data-entry forms with field-level validation, and real-time status updates across both user journeys.
- Designed for reliability under clinical conditions: explicit loading, empty, and error states throughout, offline-tolerant UI patterns, and responsive layouts tested across the device sizes common in home and clinical settings.
- Applied progressive disclosure across complex multi-step forms to reduce input errors — a critical requirement in a healthcare context where data accuracy directly affects care decisions.

GPT Generator — Multi-Model AI Web Application — *Next.js · Python · MySQL · OpenAI API · Claude API*

- Built a configurable prompt-engineering platform where users define, run, and iterate on LLM workflows across OpenAI and Claude backends — without touching code — with the Python backend mediating API keys, rate limits, quota enforcement, and result persistence.
- Designed the MySQL schema for prompt configurations, generation runs, and output history with query paths that stayed performant as result volume grew; surfaced streaming responses in the Next.js frontend so iteration feedback was near-instant.
- Implemented consistent error boundaries across two different LLM provider APIs — normalising failure modes, surfacing actionable messaging, and preventing a single provider outage from breaking the entire workflow.

Web Projects — *React.js · Next.js · REST APIs*

- Designed and developed multiple client-facing websites and web applications using React and Next.js, with a focus on performance and clean component architecture.

EDUCATION

Bachelor of Science — Computer Science | *University of Lahore 2019 – 2023*

CGPA: 3.06 / 4.00