

Krushn Gaurang Gandhi

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US citizen · No sponsorship needed (US, India) · Remote now, relocating from June 2027

PROFILE

I'm a Flutter engineer with 5 years of experience shipping real products at a fast-moving edtech startup, where I grew from part-time developer to senior engineer while studying Computer Science. My apps serve 100,000+ students and 10,000+ patients. I started writing code because it felt like solving puzzles, and that hasn't changed. Whether it's wiring up BLE hardware at the native layer, getting a desktop app to feel right on Windows and macOS, or figuring out why a render is lagging, the work keeps me engaged. I've shipped across mobile, desktop, and web in teams of two or three, where you own what you build, end to end.

EXPERIENCE

Stemious Solutions | Pune

2021 to present

Senior Flutter Engineer (Aug 2024–present) · **Flutter Intern** (2022–Jul 2024) · **Part-time Frontend Dev** (2021–22)

- Grew from part-time frontend developer to senior engineer over 5 years; shipped **7+ production Flutter apps** plus shared Dart packages across mobile, web, and desktop (Windows, macOS) in teams of 2 to 3.
- Built custom BLE integrations via **Method Channels and FFI** to connect Flutter apps with Vernier lab sensors, handling device discovery, data streaming, and error recovery at the native layer.
- Authored and maintained a reusable, **modular** Dart package (**JSON Data Table**) with configurable sort, filter, and pagination, adopted across all internal projects on all Flutter platforms including desktop.
- Implemented complex state management (**Bloc**) across multi-screen desktop workflows with real-time data synchronization.
- Engineered offline-first local persistence for low-connectivity clinic and school environments using **Hive and Isar**, with background sync on reconnect.
- Delivered **desktop-native UX patterns** including keyboard navigation, context menus, hover states, window management, and memory management across multiple products.
- Owned **code quality**: code reviews, **unit, widget, and integration tests** (including `bloc_test`), and **GitHub Actions** CI/CD pipelines for same-day delivery; published and maintained apps on Google Play and the App Store.
- Diagnosed and resolved **rendering lag** and **performance** bottlenecks in desktop Flutter applications through **deep OS integration** on Windows and macOS.

PROJECTS

Stemious App (STEM Dotz) | [Google Play](#)

Flutter · Dart · Firebase · BLE · Method Channels

- Developed the core Flutter frontend for the Stemious learning platform with responsive design, **modular architecture**, and smooth UX across devices; extended with **custom BLE integrations via Method Channels** to connect Vernier scientific sensors for real-time in-app science experiments.

FFD OS |

Flutter · Desktop · Full Stack

- Desktop patient management system for Freedom from Diabetes with **30+ modules and multiple user roles** (diet planner, prescription maker, batch messaging), serving **10,000+ active patients** and **200+ doctors** on a microservices backend.

ATALUP Platform |

Flutter · Desktop · Firebase · Full Stack

- Desktop ATL lab lifecycle management system** for schools across India, covering equipment tracking, compliance workflows, and school-facing dashboards, architected for low-connectivity environments.

Chaitanya Software Technologies App | [Google Play](#)

Flutter · Hive · Offline-first · Mobile

- Mobile learning platform with **full offline support** built as a client project, using Hive as the primary persistence layer with structured caching and reconnect sync logic.

Stemious Content Creator |

Flutter · Dart · REST API · Desktop · AI

- Designed and developed a **no-code** Flutter desktop authoring tool enabling non-technical users to build and publish learning activities without writing code; integrated **AI capabilities** to enhance and scrutinize content during creation.

ATALUP App | [Google Play](#)

Flutter · Firebase · Mobile

- Gamified student learning app with leaderboards and live competitions, scaled to **100,000+ students and teachers** across **3,000+ onboarded schools** nationwide.

JSON Data Table |

Dart · Package · Cross-platform

- Cross-platform Dart package** with configurable sort, filter, and pagination, adopted as a shared dependency across all Stemious projects on mobile and desktop.

Additional: ATALUP Eligibility Tool (Flutter · Full Stack): grant-readiness portal with scoring, automated MOU PDF generation, built-in email, and real-time notifications. CRUD API (Dart · REST · Package): shared API-integration package that cuts boilerplate across the Stemious stack. Stemious Platform (Full Stack · Web, in progress).

EDUCATION

COEP Technological University | Pune

2024 to present

B.Tech Computer Science and Engineering | CGPA: 8.75

Vikhe Patil Memorial School | Pune

2022 to 2024

12th CBSE | 95%

Sri Sri Ravishankar Vidya Mandir | Pune

2012 to 2022

10th CBSE | 94%

SKILLS

Mobile & desktop: Flutter (iOS, Android, Windows, macOS, web) · Dart · BLE / Method Channels / FFI · Bloc · Provider · Riverpod

Data & backend: Firebase · Supabase · Hive · Isar · SQL · Node.js · REST APIs · Microservices · GCS · BigQuery · Cloudflare R2

Testing & DevOps: Unit, widget & integration tests · bloc_test · GitHub Actions CI/CD · App Store & Google Play publishing

Other languages: JavaScript · Python · Go · Rust (foundational) · Next.js · Data Studio

Languages: English (fluent) · Hindi (fluent) · Marathi (native) · Gujarati (native)