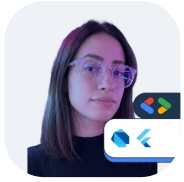
Esra Kadah

Tech Lead, Senior Flutter & AI Engineer · Google Developer Expert (Flutter & Dart)

Berlin, Germany hello@esratech.com esratech.com linkedin.com/in/esratech
github.com/esrakadah



> **Open to new roles from January 2027:** permanent or freelance, Berlin hybrid or remote within Germany and the EU. Senior, lead or staff roles in Flutter, mobile and applied AI.

PROFILE

I build production Flutter apps with AI inside them, and show how on stage. Google Developer Expert for Flutter & Dart and co-author of *Flutter Design Patterns and Best Practices* (Packt, 2024). For 5+ years I have shipped Flutter for enterprise and consumer products, and I take ownership of architecture, test automation and safe releases. I bring Gemini, Vertex AI, Firebase AI and agent workflows into real products, and I am the link between design, product and engineering.

- **Google Developer Expert** (Flutter & Dart). Co-founder and Strategic Lead of the Flutter Community AI Circle, a live stream with 29 episodes, featured in the FlutterCon USA and EU 2025 keynotes.
- **Speaker and organiser:** 60+ technical talks and workshops, 150+ tech events organised. Facilitator of Track 2 at Google Cloud Build with Gemini (2026).
- **Open source:** upstream fix to genkit-dart (#657), Patrol & MCP guide, flutter_voice_bridge (Dart FFI, whisper.cpp).

EXPERIENCE

Tech Lead, Senior Flutter & AI Engineer · Antigua Mobile GmbH, Berlin

2024 - present

Engineering partner for mobile, web and AI projects. Client and product work:

chargecloud · EV charging driver app (white label)

07.2026 - 11.2026

Flutter, Riverpod 3, Patrol, Mapbox, GitLab CI/CD, AWS API Gateway (TypeScript), PHP, Directus

- Feature work and code migration in an app shipped as 100+ tenant-specific builds per release, in a GDPR- and ISO-compliant setup without external build services.
- Chose Patrol (documented architecture decision) and built the test harness, finders, semantics IDs and coverage map; automated the central charging journey end to end to shorten QA in the two-week release cycle.
- Co-built CompanyOS (Backstage TechDocs) and shared Claude Code agent workflows (skills, rules, verification hooks) as the team's engineering source of truth.

zvoove · Fortytools field service app

03.2024 - 08.2026

Flutter, BLoC/Cubit, GoRouter, Firebase, Shorebird, GitHub Actions, Patrol, Widgetbook, Firebase Test Lab, FVM

- Two and a half years on an offline-first service app for cleaning and care staff: features, maintenance and code reviews in the product team.
- Owned architecture and quality: Clean Architecture in a Pub Workspaces monorepo, a design system with a Widgetbook catalogue, shared lints and a three-tier test strategy (unit, widget, Patrol on Firebase Test Lab).
- Release management with a reproducible toolchain (FVM pinning, lockfile checks), Shorebird over-the-air updates and staged rollouts to Google Play and TestFlight.

Investor Suite · AI document analysis (internal product, PropTech) 09.2025 - 01.2026

Flutter Web, Gemini 2.5 Flash on Vertex AI and Firebase AI Logic (EU region), Freezed, Firebase Data Connect

- Multi-pass Gemini pipeline over German property and legal PDFs: risk scoring in 7 weighted categories with verbatim evidence quotes, a GO/NO-GO verdict and traffic-light UI.
- Prompt structure, validation gates and rate-limit fallback; Clean Architecture domain layer; bilingual (EN/DE) with documented decisions.

Lead Flutter Engineer · Consumer startup (NDA) 01.2024 - 01.2025

Flutter, Material 3 Expressive, Firebase, Contentful

- Led a greenfield B2C app end to end: setup, concept, architecture, implementation and code reviews; custom UI on Material 3 Expressive.

Senior Flutter Developer · Better Together 05.2023 - 09.2023

- Core relationship-management app, a scalable design system, and integration with a TypeScript and Firebase Functions backend.

Senior Flutter Developer · VitalHealth 07.2021 - 05.2023

- Digital health app with a focus on UX and accessibility; unit, integration and golden tests and performance work.

Flutter / Software Developer · Apimaye USA 11.2020 - 07.2021

- Cross-platform Flutter order management app with a Python backend automating international ordering.

Community Lead & Digital Marketing · Monday Hero 06.2020 - 03.2021

- Community, content and product communication for a developer tool; documentation and feedback loops with product.

SELECTED PROJECTS

- **modemoiselle**: production AI wardrobe app, Flutter and Gemini on Firebase AI Logic with App Check, 841 tests including WCAG contrast checks.
- **Genkit + MCP dispatch agent**: pure-Dart agent with a human approval gate, 21 MB binary on Cloud Run (GDE reference build).
- **SoundStage**: six-track audio and video app in Flutter and Swift, pure-Dart FFT alignment, Gemini transcription.
- **flutter_voice_bridge**: platform channels, C++ FFI around whisper.cpp, on-device Gemma.
- **Patrol & MCP guide**: AI-assisted E2E testing in Flutter through an MCP server.
- **Backyard Barista**: Flutter Web game with a Gemini judge on Cloud Run and an offline fallback.

SKILLS

Flutter & Dart	Riverpod, BLoC/Cubit, Provider, GoRouter, Freezed, Clean Architecture, design systems, Widgetbook, Flutter Web
AI	Gemini, Vertex AI, Firebase AI Logic, Genkit, Model Context Protocol (MCP), Claude Code, prompt and evaluation design
Native	Platform channels, Pigeon, Dart FFI, Swift and Kotlin interop, Shorebird
Backend & cloud	Firebase (Auth, Firestore, Storage, Remote Config, Data Connect, Crashlytics), Google Cloud Run, REST, GraphQL
Quality & delivery	Unit, widget, golden and Patrol E2E tests, Firebase Test Lab, GitHub Actions, GitLab CI, FVM, staged store rollouts

BOOK, WRITING AND TALKS

- **Flutter Design Patterns and Best Practices** (Packt, 2024), co-author with Daria Orlova and Jaime Blasco; #1 Best Seller in Object-Oriented Software Design on Amazon at launch. My chapters: navigation, unit and widget testing.
- Articles on dev.to (GDE): human-in-the-loop agents with Genkit and MCP; an upstream genkit-dart fix; shipping Flutter Web to Firebase without CI minutes.
- Selected talks and workshops: Flutter Vibes Only (FlutterCon EU 2025, with Ivanna Kaceviča), From Touch To Code (FlutterCon EU 2024), Beyond Chatbots: agentic interfaces with GenUI and A2UI (Google Builders Day 2026), Dressing Up AI (DevFest Berlin 2026). Full list: esratech.com.

COMMUNITY

Google Developer Expert (Flutter & Dart) · Co-organiser of Flutter Berlin and Flutteristas · Co-lead of GDG Cloud Berlin · Co-organiser of GDG Cloud Istanbul (2020 - 2023) · Organiser of DevFest Berlin 2026 · Mentor, Groundbreaker Talents (2025).

Updated November 2026 · References on request