

Ishaq Hassan

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PROFESSIONAL SUMMARY

Senior Software Engineer and Flutter framework contributor with 13+ years of full-stack experience shipping 50+ production mobile and web applications. One of the few Pakistani engineers with code merged into the official Flutter framework: 6 Pull Requests merged into flutter/flutter, 3 currently under review. Currently leading mobile engineering at DigitalHire, an AI-powered recruitment platform serving 9+ enterprise ATS integrations. Author of the only Urdu Flutter course officially listed on the Flutter documentation. Expert in Flutter, Dart, React Native, Node.js, cross-platform mobile architecture, and engineering leadership.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Android (Kotlin, Java), iOS (Swift, Objective-C), React Native, Cross-Platform Mobile Development, Mobile App Architecture, Platform Channels, Method Channels, FFI

Frontend: TypeScript, JavaScript, React, Next.js, HTML5, CSS3, Web Performance, Responsive Design, Server-Side Rendering

Backend: Node.js, NestJS, Python, Go, Spring Boot, PHP, REST APIs, GraphQL, Microservices, Serverless, Cloudflare Workers

Databases: PostgreSQL, MySQL, MongoDB, Firebase Firestore, Redis, SQLite, Floor

Cloud and DevOps: Firebase, AWS, Google Cloud Platform, Cloudflare, Docker, GitHub Actions, CI/CD, Linux, Nginx

Architecture: Clean Architecture, Domain-Driven Design, Event-Driven Architecture, BLoC, Provider, Riverpod, Redux, MVVM, Microservices, Monorepo

AI Integration: OpenAI API, Anthropic Claude API, OpenRouter, RAG Pipelines, Prompt Engineering, AI-Powered Workflows

Testing: Unit Testing, Widget Testing, Integration Testing, Flutter Driver, Jest, JUnit, XCTest, Test-Driven Development

Leadership: Engineering Management, Technical Mentorship, Code Review, Hiring, Architecture Reviews, Cross-Functional Collaboration, Agile, Scrum

PROFESSIONAL EXPERIENCE

Senior Software Engineer and Technical Lead

DigitalHire | McLean, Virginia (Remote) | Feb 2023 to Present

- Lead mobile and platform engineering for the world's first integrated talent engine, an AI-powered recruitment platform combining video job boards, on-demand video interviews, and an AI recruiting agent.
- Architected and shipped the cross-platform mobile application using Flutter for iOS, Android, and Web from a single codebase, cutting mobile engineering effort by 60% versus separate native stacks.
- Drove platform integrations across 9+ Applicant Tracking Systems including Greenhouse, Workday, and iCIMS, enabling enterprise customers to plug DigitalHire into existing hiring pipelines.
- Improved customer hiring metrics: 50% reduction in time-to-hire, 40% lower cost-to-hire, 70% faster screening through video resumes.
- Mentor distributed engineering team of 6+ engineers across mobile, backend, and AI agent components; lead architecture reviews and technical hiring.
- Stack: Flutter, Dart, Node.js, NestJS, PostgreSQL, Next.js, Python, React Native, Kotlin, Firebase, Docker.

Open Source Contributor, Flutter Framework

Flutter (Google) | flutter/flutter on GitHub | 2026 to Present

- Merged 6 Pull Requests into the official Flutter framework repository (flutter/flutter), with 3 additional PRs under review. Code ships to millions of Flutter developers worldwide through framework releases.
- Areas: widget rendering, animation APIs, parameter forwarding, AnimatedCrossFade internals, DropdownMenu enhancements, RawImage and RenderImage rendering, documentation accuracy.
- Notable merged PRs: clipBehavior parameter on AnimatedCrossFade (PR #184545), scrollPadding property on DropdownMenu (PR #183109), CurvedAnimation and CurveTween disposal docs (PR #184569).

Senior Flutter Instructor

Tech Idara | Remote | Dec 2021 to Sep 2024

- Authored, recorded, and shipped a 35-video Flutter development course in Urdu, the only Urdu-language Flutter course officially listed on docs.flutter.dev/resources/courses.
- Curriculum covers Dart fundamentals, OOP, Flutter UI, state management, networking, testing, CI/CD, and deployment. Course has trained 10,000+ developers across Pakistan and the Urdu-speaking world.

Technical Lead

AeroGlobe | Remote | Jun 2022 to May 2024

- Led mobile and frontend engineering for travel technology products serving 100,000+ monthly users. Designed React Native architecture, defined API contracts with Python backend, and shipped 4+ customer-facing booking flows.
- Owned mobile release process, performance optimization, and engineering quality bar across a team of 5+ engineers.

Engineering Consultant

Sastaticket.pk | Remote | Jan 2022 to Mar 2024

- Consulted on Flutter mobile architecture, CI/CD pipelines using GitHub Actions, and release engineering for one of Pakistan's largest online travel platforms.
- Migrated build process from manual to automated tagged releases with signed builds for both Play Store and App Store, cutting release cycle time by 70%.

Senior Software Engineer

Pocket Systems | Remote | Jan 2020 to Dec 2022

- Built React Native applications and socket programming services for 5+ international B2B clients across the United States and Europe, owning real-time messaging stack and end-to-end delivery for production traffic of 50,000+ daily messages.

Lead Software Engineer

Optimyse | Estonia (Remote) | Feb 2019 to Dec 2021

- Led full-stack engineering teams of 4+ engineers shipping cross-platform mobile applications. Mentored engineers across Estonia and Pakistan time zones, owned hiring, sprint planning for 2+ week cycles, and architecture decisions.

Senior Software Engineer

Cyber Avanza | Karachi, Pakistan | Sep 2016 to Dec 2018

- Shipped 8+ native Android (Kotlin, Java) and iOS (Swift, Objective-C) applications for international clients across e-commerce and on-demand services, supporting 1M+ combined downloads on the Play Store and App Store.

Mobile and Web Developer

VividVisionz | Karachi, Pakistan | Feb 2013 to Feb 2019

- Built and shipped 30+ Android, iOS, and web applications across six years using PHP, MySQL, JavaScript, native Android, and native iOS.

OPEN SOURCE PROJECTS

- **document_scanner_flutter** (63 stars, 135 forks): Production Flutter plugin for iOS and Android document scanning with native camera, edge detection, and perspective correction. Listed on the official Flutter documentation.
- **flutter_alarm_background_trigger** (14 stars): Native Kotlin alarm plugin for Flutter, launches apps from background at specific times.
- **assets_indexer** (9 stars): Auto-generates strongly-typed Dart asset references for Flutter projects.
- **goal-agent**: AI-powered career goal agent for Claude Code with cross-platform automation.
- **claude-remote-terminal**: Mobile remote terminal for Claude AI coding sessions over WebSocket PTY.

SELECTED PUBLICATIONS

- Top Flutter Contributors from Pakistan in 2026 (May 2026), cross-published on personal blog, Dev.to, and Hashnode.
- One Spell, Every Kingdom: Why Flutter Still Matters in the AI Era (May 2026), cross-published on personal blog, Dev.to, and Hashnode.
- How a Pakistani Engineer Got 6 PRs Merged Into Flutter's Official Framework (2026).
- Flutter State Management in 2026: A Decision Guide for Production Apps (2026).
- Flutter's Three-Tree Architecture Explained: Widgets, Elements, RenderObjects (2026).
- 11+ articles published across personal blog, Medium, Dev.to, and Hashnode.

SPEAKING ENGAGEMENTS

- Panel Speaker, "Scaling Products with Flutter," DevFest Karachi 2021, GDG Kolachi.
- Speaker, Google I/O Extended Karachi, GDG Kolachi.
- Lead Instructor, Flutter Bootcamp, GDG Kolachi.
- Speaker, Flutter Seminar, Iqra University.
- Inaugural Speaker, Facebook Developer Circle, The Nest I/O.
- 5+ additional events across GDG Kolachi, universities, and tech communities.

RECOGNITION

- 6 merged Pull Requests into Google's official Flutter framework, with 3 currently under review.
- Author of the only Urdu Flutter course listed on docs.flutter.dev/resources/courses.
- Official Mentor at GDG Kolachi (Google Developer Groups), Karachi chapter.
- 9,800+ GitHub contributions across 175 public repositories with 222 followers.

EDUCATION

- **Aptech Computer Education**, Karachi, Pakistan | ACCP, Computer Software Engineering | 2012 to 2016
- **Board of Intermediate Education, Karachi** | Intermediate of Computer Science (ICS) | 2012 to 2014
- **Bahadurabad Foundation School**, Karachi, Pakistan | Matriculation, Computer Science | 2011 to 2013. Activities: Programming, Application Development, Research.