

David Tolulope Osunsakin

Senior Flutter Engineer · Mobile Software Engineer

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PROFESSIONAL SUMMARY

Senior Flutter Engineer with 5+ years of production experience and 40+ shipped apps across sports, media, and content companies worldwide. Proven track record building high-performance, data-driven mobile platforms — including real-time stats, live event feeds, community features, leaderboards, and push-notification fan-out for sports audiences. Hybrid Flutter and native (iOS/Android) developer with deep ownership of the full mobile lifecycle: architecture, native module integration, state management, performance profiling, security, and CI/CD. Full-stack background spanning Node.js, Spring Boot, and Firebase, providing end-to-end perspective on API design and mobile-server integration. Comfortable driving technical strategy, mentoring engineers, and shipping production features at scale.

TECHNICAL SKILLS

Mobile Flutter, Dart, Swift, Kotlin, Java, Objective-C, platform channels, FFI, native module development

State & Arch Provider, Riverpod, Bloc, GetX, Clean Architecture, MVVM, multi-module patterns, multi-tenant design

Backend & APIs Node.js, Express, Spring Boot, REST, GraphQL, WebSockets, Firebase (Firestore, Auth, Functions, FCM, Storage), PostgreSQL, MySQL

Real-Time WebSockets, Firestore live listeners, FCM topic fan-out, offline-first sync, cursor-based pagination

AI & ML TensorFlow, embeddings-based semantic search, vector databases (Pinecone), LLM API integration, Firebase ML Kit

Mobile Infra Push notifications (FCM/APNs), Stripe/RevenueCat payments, deep linking, secure storage, certificate pinning, code obfuscation

DevOps & CI/CD Git, GitHub Actions, GitLab CI, Fastlane, Codemagic, Firebase App Distribution, App Store Connect, Google Play Console

Testing Unit, widget, integration & golden tests, Sentry, Firebase Crashlytics, Firebase Performance Monitoring

PROFESSIONAL EXPERIENCE

Senior Flutter Engineer 2023 – Present

App Works · app-works.dev · onsite

- Lead engineer at a mobile studio; architected and delivered 40+ production Flutter and native apps for sports, media, and content companies across multiple countries and app stores.
- Built data-driven sports platforms featuring real-time stats feeds, live score updates, player leaderboards, and community engagement layers serving large concurrent user bases.
- Designed hybrid Flutter applications with custom native modules in Swift (iOS) and Kotlin (Android) for platform-specific performance, security, and device-capability requirements.
- Owned full mobile lifecycle: architecture, native module integration, App Store / Play Store deployment, post-release monitoring, and iteration.
- Established CI/CD pipelines with GitHub Actions, Fastlane, and Codemagic — compressing release cycles from days to hours.
- Implemented real-time messaging, offline-first sync, FCM topic-based push notifications for breaking-news and live-event fan-out, and cursor-based pagination for high-volume content feeds.
- Implemented secure mobile experiences: biometric auth, Keychain/Keystore storage, certificate pinning, network-layer encryption, code obfuscation, and tamper detection.
- Profiled and optimised startup time, scroll performance, memory pressure, and network efficiency using Flutter DevTools, Xcode Instruments, and Android Profiler.

- Mentored junior engineers; defined code review standards, testing strategy (unit/widget/integration), branching model, and documentation conventions.

Software Developer (Freelance) 2020 – Present

Upwork & Independent Clients · Remote

- Delivered AI-augmented mobile and web products for international clients — LLM chat interfaces, content automation pipelines, and AI-powered onboarding flows.
- Implemented embeddings-based semantic search and content retrieval using vector databases (Pinecone) for in-app discovery features.
- Owned end-to-end delivery: API integration, backend orchestration (Node.js / Firebase), mobile client integration, monitoring, and post-launch iteration.

Junior Project Manager / QA Intern 2023

Deepline.ai · Belgrade, Serbia

- Supported sprint planning and tracked delivery milestones for AI-powered product features.
- Identified, reproduced, and documented software defects; contributed to test case design and regression coverage.
- Gained hands-on exposure to ML product workflows including embedding pipelines and LLM-backed features.

IT Administrator 2017 – 2020

HCBI Kuća Mira · Belgrade, Serbia

- Managed organisational data systems, hardware maintenance, and remote conferencing infrastructure.
- Administered user accounts, access controls, and network configuration.

SELECTED PROJECTS

Sports & Media App Portfolio · 40+ Production Apps for International Clients

Lead / Principal Engineer · Flutter, Dart, native iOS/Android, Node.js, REST APIs, FCM, CDN integrations · 2020 – Present

- Delivered 40+ Flutter and native production apps for sports, media, and content publishers across multiple country App Stores and Play Stores.
- Built real-time sports platforms with live stats feeds, score updates, player leaderboards, match timelines, and community engagement features for large concurrent audiences.
- Designed shared patterns for content delivery at scale: CDN-fronted REST APIs, cursor-based pagination, list virtualisation, lazy loading, and offline-first content caching.
- Integrated FCM topic-based push notifications enabling single-API-call fan-out for breaking-news and live-event scenarios.
- Developed white-label architecture enabling rapid new-client deployment from a shared codebase with minimal customisation overhead.

RCCG Serbia Connect · Multi-Tenant Flutter & Firebase App

Lead Engineer · Flutter, Dart, Firebase (Firestore, Auth, Functions, FCM), Stripe · Current

- Architected multi-tenant data model in Firestore using branch-scoped subcollections; supports unlimited branches through a single document write with zero code changes.
- Implemented Firebase Auth with custom claims for branch-scoped RBAC; all access enforced at the database layer via security rules with no client-side trust.
- Designed BranchContext provider in Flutter that auto-scopes every Firestore query, keeping feature code branch-agnostic and reducing cross-branch data leakage risk to zero.
- Built core features: real-time schedule, community wall, testimonies, content library with offline downloads, integrated payments, push notifications, and ministry management.

EDUCATION

M.Sc. Contemporary Information Technologies 2022 – 2023 · Singidunum University, Belgrade

B.Sc. Software Engineering 2017 – 2022 · Singidunum University, Belgrade

CERTIFICATIONS

- Introduction to TensorFlow for AI, ML, and Deep Learning — Coursera / DeepLearning.AI
- Linux Essentials Professional Development — Linux Professional Institute
- Introduction to Cybersecurity — Cisco Networking Academy

LANGUAGES

English Native proficiency

Serbian Basic (A2)