



Benoit Presly Ndong Oke

Full-Stack & Mobile Developer — Android · Web · Cloud

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Full-stack and mobile developer with an **MSc in Software Engineering** (Arizona State University), building Android and web apps since 2018. Designs and ships cross-platform products end to end — native Android in Kotlin and Jetpack Compose, web in React and Next.js, backends on Firebase and Cloudflare. Owns every layer, from data model and security rules to the shipped screen, with tests and CI.

4

flagship products, built solo

1,200+

commits across two apps

v1.4.3

Spotitube, launch-ready

2018

shipping Android apps since

EXPERIENCE

Independent Full-Stack & Mobile Developer · Libreville, Gabon · own products, end to end

Apr 2026 – Present

Spotitube — social app for music, movies & series · Android + web admin

v1.4.3 · ~920 commits

Kotlin · Jetpack Compose · Hilt · Room · Media3/ExoPlayer · Retrofit · FCM · React 18 · MUI · TanStack Query · Recharts · Firebase Functions

- Architected a layered data / domain / UI Android app with Hilt dependency injection, Room caching and a Media3/ExoPlayer streaming player.
- Shipped offline downloads and local files, playlists and likes, social features and a discovery / recommendations feed, then extended the catalog from music to movies and series.
- Built a React + MUI admin console (TanStack Query, Recharts, PWA, i18n) to manage content and users.
- Hardened the backend with Vitest-tested Firestore security rules and coverage, server-enforced mutual user blocking (Cloud Functions + rules), a full security review and a launch checklist, all under CI.

Pictotube — private social album app · Android + web + cloud

~284 commits · active

Kotlin · Compose · Hilt · Room · WorkManager · Media3 · CameraX · ML Kit · Coil · React · TypeScript · Vite · Cloudflare Workers + R2 · Firebase

- Designed a memory-graph data model that ties photos and videos to an event, a place and the people in them, kept consistent across Android and web.
- Built a Pinterest-style masonry browser and a full-screen vertical video feed, with in-app CameraX capture.
- Built a Cloudflare Worker + R2 media pipeline outside Firebase, and on-device ML Kit face detection so face data never leaves the phone.
- Set up dev/prod build flavors and real Firebase OAuth, and planned a post-launch "focus spaces" architecture over one shared graph.

DevBlog — interactive coding-education platform · web (PWA)

322 / 623 lessons

Vanilla JavaScript (no framework) · Monaco · Web Workers · sql.js · WebContainers · PWA · Firebase Auth / Firestore

- Built a runner-adaptor architecture that runs learners' code safely in the browser with no backend — iframe, Web Worker, sql.js, WebContainers and AST checks.
- Configured cross-origin isolation (COOP/COEP) so WebContainers can run Node.js and Next.js inside the page.
- Added gamification (XP, levels, streaks, badges, activity heatmap), spaced repetition and a multi-type quiz engine.
- Shipped an offline-capable PWA with search, bookmarks and SEO; wrote 322 lessons and 324 auto-graded exercises of a 623-day curriculum.

Africonet — professional + social super-app for the African diaspora · web

early stage

Next.js 16 (App Router) · React 19 · TypeScript · Tailwind CSS 4 · Firebase

- Designed the V1 product (accounts, profile/CV, feed, chat, search and a jobs vertical) around a dual-origin identity: every profile, post and job carries where you are from and where you live.
- Built the design system in Next.js 16 + Tailwind 4: exact light/dark tokens, a 25-component library and a responsive app shell, low-bandwidth-first by design; Android app planned.

Next.js 16 static export · React 19 · TypeScript · Firebase Hosting · Firestore · App Check

- Built and deployed a bilingual (EN/FR) portfolio with per-locale routing, hreflang SEO, a sitemap and accessibility (skip link, focus states, AA contrast).
- Secured the contact form with default-deny Firestore rules, schema validation and a server-enforced rate limit, verified against the live database.

EARLIER PROJECTS

Pictoslide — photo-album app · Android

Jan 2019 – Jan 2020

<> github.com/OkeBenoitHub/pictoslide-photo-album

- Built an Android app for personalized photo albums set to music, shared with friends and family, and organized by events, places and people.

TrackoBill — bill-reminder app · Android (Java)

Jan 2018 – Jun 2018

<> github.com/OkeBenoitHub/TrackoBill-Bill-Reminder-Java

- Built an Android (Java) app that tracks recurring bills, sends reminders 24 hours or 2 days before each due date, and ranks bills by importance.

Course projects — A.Reader · JetWeather · MovieApp · JetTrivia · JetNote · News App — Android apps built while following Jetpack Compose and MVVM courses, source on github.com/OkeBenoitHub.

SKILLS

Languages Kotlin, TypeScript, JavaScript, Java, SQL, HTML5, CSS3

Android Jetpack Compose, Material 3, MVVM, Hilt, Room, DataStore, WorkManager, Coroutines/Flow, Media3/ExoPlayer, CameraX, ML Kit, Retrofit

Web React, Next.js (App Router), Vite, Tailwind CSS, MUI, TanStack Query, PWA, i18n (EN/FR)

Cloud Firebase (Auth, Firestore, Storage, Functions, Hosting, FCM, Crashlytics, App Check), Cloudflare Workers + R2, Node.js

Quality Vitest, Testing Library, security-rules testing, Git, CI, security review, clean architecture, offline-first, accessibility

EDUCATION

MSc, Software Engineering

2018 – 2020

Arizona State University (online) · Magna Cum Laude

BSc, Computer Science

2014 – 2018

Mercy College, New York · Magna Cum Laude

Baccalauréat, Série C (Sciences)

2009

Office National du Baccalauréat, Gabon

CERTIFICATIONS & TRAINING

Android Kotlin Developer Nanodegree

2020

Udacity

Android Nanodegree by Google

2018

Udacity · confirm.udacity.com/VRCGQHCC

Udacity courses

Developing Android Apps with Kotlin (Parts 1–2) · Advanced Android Apps with Kotlin (Parts 1–2) · Android: Networking

Udemy courses

The Complete Android Jetpack Bootcamp with Jetpack Compose · Complete RxJava 3 for Android Development · The Complete Web Development Bootcamp 2022 · Flutter Bootcamp 2021 · The Complete iOS App Development Bootcamp

LANGUAGES

French — native · **English** — fluent (BSc and MSc completed in English)