

OBINNA JOSEPH AKPULONU

Full-Stack Software Engineer | Web, Mobile, AI & Automation | Python / Django · React / Next.js

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SUMMARY

Full-stack engineer with 5+ years taking products from the first sketch to the App Store: front end, back end, mobile apps, AI features and automations. Sole architect and engineer of EstatePadi, a multi-tenant SaaS running with real users since 2022, and shipped Anwrk, an artisan marketplace live on Android, iPhone and web. I build fast with Claude and Claude Code and review every change myself, with extra depth where mistakes are expensive: authorization, payment reconciliation and concurrency.

TECHNICAL SKILLS

Back end & APIs: Python, Django, Django REST Framework, FastAPI, REST API design, system design, PostgreSQL, data modeling, Celery, Redis, WebSockets

Front end & Mobile: React, Next.js, TypeScript, JavaScript, mobile delivery (Google Play and App Store, push notifications)

AI & Automation: Claude & Claude Code, RAG with citations, AI agents and tool use, LLM features in existing apps, n8n, Make, HubSpot and CRM integrations, webhook and API automations

Security & Access Control: Authentication and authorization design, role-based permissions, multi-tenant data isolation, request-layer enforcement, audit logging, NDPR-aligned data handling

Payments & Integrations: Stripe and Stripe Connect, Paystack, webhook event handling, idempotency, subscription lifecycle and state reconciliation, third-party API integration

Cloud & DevOps: AWS, Docker, CI/CD, GitHub Actions, cloud deployment

Practice: AI-assisted development with human review, Agile, code review, architecture ownership, product thinking

PROFESSIONAL EXPERIENCE

Software Engineer | Allforms Limited

Nov 2022 – Present

Sole engineer on EstatePadi, a multi-tenant estate-management SaaS: architecture, back end, front end, mobile and deployment.

- Architected and built EstatePadi end to end: a multi-tenant Django/DRF platform serving three role-separated portals (resident, estate admin, gate security) from one codebase and database, with every role boundary enforced in permission classes and every sensitive action written to an audit log.
- Built the dues-payment pipeline end to end, covering Paystack integration, webhook event handling, payment-evidence submission, admin verification and automated digital receipts, removing manual reconciliation for estate committees.
- Enforced subscription status at the request layer so billing can never diverge from access; designed visitor access around time-bound codes verified live at the gate, scoped to identity data only.
- Added a service-provider marketplace with admin approval workflows; redesigned PostgreSQL queries and indexing, cutting response times by 40% under peak traffic.
- Shipped the Android app to Google Play with push notifications (iOS in development), NDPR-aligned.
- Shipped Anwrk, an artisan marketplace for finding, booking and paying vetted professionals nearby, live on Android, iPhone and web (anwrk.com).

SELECTED PROJECTS (OPEN SOURCE)

- **Team Knowledge Base:** multi-tenant RAG chat SaaS (FastAPI, React, pgvector, Claude); answers cite their sources, and tenant isolation is regression-tested.
- **On-Chain Prediction Market:** Solidity AMM plus an indexer that survives being killed mid-backfill with zero duplicates or gaps; 6,144 fuzz runs, 0 invariant violations.
- **Digital Goods Marketplace:** Django + Next.js with Stripe Connect split payouts; one cart becomes correctly split charges, and webhooks never double-process.
- **Real-Time Collaborative Kanban:** Django Channels over WebSockets with presence and live cursors; concurrent moves resolve to exactly one visible winner.
- **Event Ticketing Platform:** FastAPI + Redis/Lua; 20 concurrent buyers for 3 tickets give exactly 3 sales, every run.

EARLIER EXPERIENCE

International Money Transfer | Polaris Bank Limited

Oct 2020 – Oct 2022

- Onboarded international money transfer operators and integrated their APIs with the bank's core banking system so inbound transactions could be settled on their behalf for per-transaction commission.
- Resolved transaction disputes raised by branches nationwide, escalating unresolved cases to partner IMTOs with the correct remediation steps: the reconciliation discipline behind how I build payment flows today.

EDUCATION

B.Sc. Accounting: Caleb University, Lagos, Nigeria | 2020