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About me

- Performance-driven Full Stack Developer with a focus on building robust, scalable web applications using React, Next.js, and TypeScript. Expert in integrating Firebase for real-time databases and authentication, alongside managing relational databases like MySQL. Proven ability to deliver high-impact digital solutions, from complex marketplaces to automated sales funnels, for a global clientele.

- **Frontend-** React, Next.js, TypeScript, JavaScript (ES6+), CSS3, HTML5, Framer Motion, Shadcn/ui
- **Backend & Cloud-** Node.js, Python, Firebase (Firestore/Auth), Supabase, RESTful APIs
- **Databases-** MySQL, MongoDB, PostgreSQL, Database Design (RLS, Triggers, Views)
- **Tools & DevOps -** Git, GitHub, Vercel, Clouflare CDN, npm, pnpm, Zod, React Hook Form
- **Specialized -** Escrow Systems, Payment Gateway Integration, PWA, SEO (JSON-LD), RTL/LTR Localization

Experience

- ## Freelance Web Developer & Funnel Expert

Remote 2019 - Present

- Built 50+ websites with WordPress, Shopify.
- Created custom Print-on-Demand solutions with advanced personalization features
- Developed responsive, SEO-optimized layouts with fast load times
- Led performance audits and resolved critical UI/UX issues

Language

- English - Fluent

Reference

- Available upon request.

Gadget Technician & Tech Consultant

Self-Employed

2020 - Present

- Performed hardware diagnostics and software optimizations for mobile and computing devices.
- Provided technical consulting for non-tech founders, bridging the gap between hardware limitations and software requirements.

Selected Projects

DeMarketplace: Escrow-Native Campus Marketplace

2025

- Architected a full stack marketplace using Next.js 16 (App Router) and TypeScript 5, leveraging React 19 for optimized client-side performance and server-side rendering (SSR)
- Engineered a custom Escrow Financial System using Supabase (PostgreSQL) and TypeScript, implementing a complex state machine to secure funds until delivery confirmation.
- Developed a high-security backend with Row Level Security (RLS) and PostgreSQL Functions (Security Definer) to protect sensitive financial transactions and user data.
- Integrated Supabase Realtime to build a context-aware messaging system, allowing buyers and sellers to communicate directly within the scope of specific orders and listings.
- Implemented an automated Background Task Runner using Next.js waitUntil() with exponential backoff for handling asynchronous notifications and email triggers via Resend.
- Optimized infrastructure with Upstash Redis for sliding-window rate limiting and Cloudflare CDN for edge-accelerated content delivery.
- Developed a Discovery-First SEO Strategy including a dynamic XML sitemap generator and custom JSON-LD (Linked Data) rich snippets to maximize search engine visibility for marketplace inventory.
- Orchestrated a Unified Wallet & Withdrawal System with atomic balance updates and multi-provider payment integration (Paystack, OPay, PalmPay).
- Implemented Atomic Transaction Management via PostgreSQL stored procedures and database-level locking to prevent race conditions during concurrent escrow releases and high-volume wallet withdrawals.
- Engineered a high-performance Real-time Messaging Engine utilizing Supabase Presence and Broadcast channels to provide sub-100ms latency for buyer-seller communications across multiple concurrent sessions.

Cake Palace: Cake Ordering & Customization Web App

2025

- Developed a high-performance web application using Vite and React for a seamless, mobile-responsive cake ordering experience.
- Built a dynamic Explore Gallery and custom Image Upload Functionality to allow users to personalize their orders in real time.
- Integrated Supabase for backend services and managed real-time data synchronization for inventory and user orders.
- Configured automated CI/CD pipelines using GitHub Actions for seamless deployment to Firebase Hosting.
- Implemented secure Environment Secret Management and a dedicated production branch strategy to ensure stable and reliable updates.

Lynkup: Real-Time Social & Dating Ecosystem

2026

- Developed a scalable dating application using React and TypeScript, implementing a mobile-first architecture for a global audience.
- Engineered an AI-Driven Matching Algorithm using Python, which analyzes user preference vectors and interaction history to suggest compatible profiles.
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- Integrated Firebase Cloud Messaging (FCM) to handle high-priority push notifications for real-time matches and messaging events.
- Implemented Geospatial Querying using PostgreSQL (PostGIS) to enable location-based radius searches and proximity matching with sub-second latency.
- Developed a secure Real-Time Chat System with end-to-end encryption using Firebase Firestore and WebSockets, supporting media sharing and delivery receipts.
- Integrated Cloudinary API for automated image optimization, face-detection cropping, and secure user-generated content storage.
- Built a comprehensive Identity Verification Flow using third-party APIs to minimize bot activity and ensure a safe user environment.
- Optimized frontend performance by implementing Lazy Loading and Custom Hooks, reducing the initial bundle size and improving the lighthouse performance score.