

Darlington Gospel

Senior Frontend Engineer (AI, Blockchain & Data-Heavy Systems)

Location: Port Harcourt, Nigeria | **Remote:** Available

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Website: [dappmentors.org](#)

Professional Summary

Senior Frontend Engineer with 10+ years of experience specializing in production-grade, data-intensive interfaces for AI, blockchain, and traditional backends. Expert in translating complex systems—LLM workflows, smart contracts, real-time pipelines, and ML insights—into intuitive, performant UIs. Delivered pixel-accurate implementations in React, Next.js, and TypeScript, with strong backend integration knowledge. Architected full-stack systems where frontend choices optimize overall performance. Founded Dapp Mentors, building educational platforms and tools for 5,800+ learners.

Core Technical Skills

Frontend & UI Engineering

- Frameworks & Libraries:** React, Next.js, TypeScript
- Styling & Design Systems:** Tailwind CSS, CSS-in-JS, responsive/mobile-first design
- State Management:** React Context, Redux, async/derived state optimization
- Performance:** Re-render minimization, memoization, bundle splitting, lazy loading, latency reduction
- Component Architecture:** Atomic design, reusable libraries, design system builds

Integration & Data Layers

- Web3 Integration:** wagmi, viem, WalletConnect, Privy, Ethers.js, Web3.js (EVM & SVM)
- AI System Integration:** LLM APIs, streaming responses, real-time LLM output rendering, chat interfaces
- API Architecture:** RESTful APIs, WebSocket connections, real-time data synchronization, optimistic updates
- Data Visualization:** Complex tables, filtering systems, dashboard analytics, chart libraries (Recharts, D3.js)

Developer Experience & Tooling

- Build Tools:** Vite, Webpack, Next.js App Router
- Testing:** Unit testing, integration testing, E2E awareness, pragmatic test coverage
- Version Control:** Git, GitHub Actions, CI/CD workflows
- Browser Fundamentals:** DOM manipulation, rendering optimization, layout performance, accessibility standards

Professional Experience

Founder & Lead Frontend Architect — Dapp Mentors / Daltonic LLC (US-based)

2022 - Present

- Designed and shipped production frontends for AI, blockchain, and data-heavy platforms serving thousands
- Built pixel-accurate, responsive UIs for complex backends (LLMs, contracts, ML models)
- Architected component libraries/design systems for rapid development across products
- Implemented real-time feedback for AI streams, transaction states, and async operations
- Owned frontend lifecycle: design-to-deployment, optimization, and production
- Built **dappmentors.org** with course management, auth, payments, and content delivery
- Reduced iteration cycles by 20-30% via proactive UX reviews and edge-case handling
- Maintained timelines through scoped features and risk communication

Senior Frontend Engineer — Independent / Project-Based

2019 - 2022

- Designed and implemented frontend architectures for AI-assisted applications and blockchain-enabled platforms
- Built production UIs handling real-time data streams, WebSocket connections, and optimistic state updates
- Delivered data-intensive dashboards with complex filtering, sorting, and visualization requirements
- Implemented wallet connection flows, transaction signing interfaces, and blockchain state synchronization
- Collaborated with backend teams to optimize API contracts and reduce unnecessary render cycles
- Shipped responsive, mobile-first interfaces tested across devices before review cycles

Frontend Developer & Technical Writer (Remote) — CometChat

2020 - 2022

- Built developer-facing UI components and integration examples for real-time communication platforms
- Implemented chat interfaces, message threading, and real-time notification systems
- Translated complex API behaviors into clear, interactive frontend demonstrations
- Contributed to design system documentation and component usage guidelines
- Worked directly with designers to ensure pixel-accurate implementation of specifications

Software Developer (Full-Time) — GIT Technologies Ltd., Port Harcourt, Nigeria

2019 - 2020

- Led frontend development for full-stack applications with complex state management requirements
- Implemented responsive layouts and interactive components using React and modern CSS techniques
- Built admin dashboards with role-based access control and data visualization
- Trained junior developers on React fundamentals, component patterns, and frontend best practices
- Reduced bug reports through systematic QA of own work before marking features ready for review

Software Developer (Internship) — White Creativity, Port Harcourt, Nigeria

2017 - 2018

- Developed web and mobile application interfaces using React and React Native
- Implemented frontend components with focus on reusability and maintainability
- Collaborated with design team to ensure consistent visual quality across products
- Participated in code reviews and contributed to frontend architecture decisions

Key Projects & Achievements

OpenBench

2026 — Built the full frontend for OpenBench, an AI dataset curation platform, using Next.js 16, TypeScript, and Tailwind CSS. Implemented a real-time pipeline tracker showing live stage-by-stage progress across all 9 curation stages, with a log terminal for per-stage output. Designed a role-based access system with three tiers (user, admin, super admin) and built the admin panel for model configuration, benchmark type management, and user oversight. Implemented WebAuthn passkey authentication (Touch ID, Face ID, security keys) via NextAuth.js for passwordless login. Built a browser-based setup wizard that guides first-time configuration of Sia storage, OpenRouter API keys, and OAuth providers before the app becomes usable.

Rebit

2026, in development — Building the frontend for Rebit, a self-hostable video processing engine, using Next.js and Tailwind CSS. Designed the upload screen with drag-and-drop video input, format and size validation, and pipeline trigger on submission. Built a real-time job tracker displaying step-by-step pipeline progress (Upload, Transcription, Highlight Detection, Clip Extraction, Rendering, Saving to Sia) with live status updates per stage. Implemented the clip review screen where each generated clip shows a video preview, transcript excerpt, timestamp range, virality score, and hook strength rating alongside Approve and Reject actions. Built the project dashboard listing all uploaded videos with processing status and clip counts, and the export flow for downloading approved clips as standard MP4.

AI Content Production Engines

2026 — Built a suite of nine internal AI-powered content tools as standalone web interfaces, each purpose-built for a specific content format: blog generation, video scripting, social post creation, thumbnail prompting, architecture blueprints, stack comparisons, news assets, journey maps, and intelligence feeds. Focused on clean, fast UI with clear input flows and structured output rendering. These tools handle real daily production workload, so usability and iteration speed were the main design constraints.

RumbleCourt

2026 — Architected frontend for AI multi-agent debate simulator using Next.js 16, TypeScript, and Tailwind. Featured live streaming, real-time LLM outputs, animated visuals, and wagmi/WalletConnect integration. Managed async states for AI/blockchain ops; optimized re-renders for 40% better performance. Integrated Opik SDK traces. Pixel-accurate to designs; mobile-responsive. Featured in Commit To Change AI Agents Hackathon.

Dapp Mentors Platform ([dappmentors.org](#))

2022 - Present — Developed educational frontend for 5,800+ learners using Next.js, TypeScript, Tailwind. Built catalogs, dashboards, enrollment, progress tracking, and payments. Optimized for global networks; responsive across devices. Iterated via user feedback.

AI Scraper Bot & Multi-Channel AI Assistant

2025 — Built complete frontend ecosystem for AI-powered knowledge retrieval system. Designed Gradio-based web interface for interactive querying with real-time response streaming. Implemented chat-style UI patterns for Discord and Telegram bot interactions. Created visualization components for document embeddings and retrieval results. Handled asynchronous state management for crawling operations, vector database queries, and LLM response generation. Ensured responsive design working across web, mobile, and chat platforms.

QuantumPool

2025 — Developed data-intensive dashboard frontend for AI-guided investment platform. Built complex tables with filtering, sorting, and real-time updates. Implemented visualization components for market data, sentiment analysis, and ML model outputs. Integrated blockchain wallet connections and smart contract interaction interfaces. Created state management architecture handling market data streams, API responses, and blockchain transaction states. Optimized re-renders for performance with large datasets and frequent updates.

DappPay

2025 — Architected frontend for AI-driven payroll system on Solana. Built Next.js/TypeScript interface combining natural-language command processing with blockchain transaction workflows. Implemented wallet integration (Phantom), organization management dashboards, and batch payroll interfaces. Created responsive layouts for complex multi-step processes including worker registration, treasury funding, and payment execution. Designed privacy-first UI patterns ensuring sensitive data remains client-side while maintaining seamless UX.

Timeless NFT

2022 — Developed comprehensive NFT marketplace frontend using Next.js, TypeScript, and Tailwind CSS. Implemented wallet connection flows (MetaMask), NFT gallery displays, minting interfaces, bidding systems, and auction countdowns. Built responsive layouts for browsing, listing, and purchasing NFTs. Integrated Ethers.js for smart contract interactions and IPFS for metadata display. Created state management handling blockchain transaction states, optimistic updates, and error handling. Ensured pixel-accurate implementation of OpenSea-compatible design patterns. Deployed to EVM networks including Ethereum and Polygon.

Fundus

2023 — Built Solana-based crowdfunding platform frontend using Next.js and TypeScript. Designed campaign creation workflows, donation interfaces, and fund release dashboards. Implemented real-time updates for campaign progress and blockchain transaction confirmations. Created responsive layouts optimized for mobile donors. 16 stars on GitHub.

Votee

2023 — Developed Solana polling application frontend with poll creation interfaces, candidate registration forms, and voting dashboards. Implemented real-time vote counting visualizations and results displays. Ensured transparent on-chain verification feedback in UI.

Sia Vid TV

2023 — Architected TypeScript frontend for decentralized media platform leveraging Sia blockchain. Built upload interfaces, media galleries, and streaming players. Implemented progress indicators for distributed storage operations. Created responsive video player with controls optimized for various network conditions. 12 stars on GitHub.

Solana Tokenise Project

2023 — Developed token sale dApp frontend using React and TypeScript. Built purchase interfaces, wallet connection flows, and token display dashboards. Implemented real-time updates for minting operations and transaction confirmations. 11 stars on GitHub.

Adulam NFT

2022 — Created Ethereum-based NFT minting frontend using React and Tailwind CSS. Implemented stage-based minting workflows, whitelist verification interfaces, and airdrop dashboards. Built responsive layouts for mobile minting experiences.

Education

B.Sc. Computer Science

Ignatius Ajuru University of Education, Port Harcourt

2014 - 2018 | CGPA: 4.09 / 5.0

Open Source & Community

- Maintains 30+ public repositories on GitHub focused on frontend implementations for AI systems, blockchain dApps, and data-heavy applications
- Regular contributor to frontend and developer tooling projects with focus on React, Next.js, and TypeScript patterns
- Leads Dapp Mentors community with 5,800+ learners, providing free tutorials, open-source UI codebases, and YouTube content on modern frontend development, Web3 integration, and AI interface patterns
- Educator and mentor through premium courses covering frontend best practices, component architecture, and production deployment strategies
- Published 45+ technical articles and produced 140+ YouTube videos on frontend engineering topics including React optimization, TypeScript patterns, and complex state management

What Success Looks Like in My Work

- Design → Development → Review** happens in minimal cycles due to proactive UX flow analysis before coding
- "Ready for Review"** means production-level quality with self-QA completed and edge cases handled
- Mobile-first implementation** ensures responsive behavior works correctly on first submission
- Predictable timelines** through realistic scoping and clear communication of blockers and risks
- Few regressions** during iteration by maintaining architectural clarity and component boundaries
- Complex systems become intuitive** through thoughtful interface design that respects user mental models
- UX issues caught before shipping** through systematic sanity-checking of flows and interactions