

Gift Opia

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SUMMARY

- Almost a decade of software development experience, specializing in front-end, and blockchain technologies like React, Next.js, Vite, TypeScript, Redux, React Query, Tanstack, CSS-in-JS, Web3.js, Ethers.js, TheGraph, Smart contract, and Node.js.
- Led key front-end development projects and the tech stack migration from web3.js and Ethers.js bundles to Viem+Wagmi at Forj, focusing on innovative solutions and speed for complex technical challenges.
- Thrive in cross-timezone collaborations, honed during my tenure at Forj and Montech, where I seamlessly adapted to timezone differences to deliver exceptional results.
- Contributed to impactful open-source projects such as Ethereum Org and Viem, significantly improving application performance and efficiency for developers and users.

EXPERIENCE

Senior Software Engineer (L4) - Frontend

Forj | December 2022 - Present

Remote

- Responsible for the development of frontend using Next.js for landing and blog, and Forj's in-house web3 SDKs built with TailwindCSS, TypeScript, Viem, Wagmi, and Vercel (CRON, CI, Deployments). Also, I automated UI docs using react-doc-gen and Storybook
- Spearheaded the development of a web3 Whitelabel application, facilitating web3 launchpads, campaigns, and token swaps with minimal effort. This effort resulted in establishing the Ape Accelerator in collaboration with the BAYC team.
- Set up initial infrastructure with AWS ECS, Pulumi, Docker, Prisma ORM with Supabase.
- Achieved an outstanding 92% runtime improvement through performance tuning and latency optimizations, optimizing the Whitelabel application to load in just 1.5 seconds. Also, I played a pivotal role in technical specifications, timelines, design reviews, and code reviews.
- Full stack development of features like file upload to S3 with blurry (64x64 webp) previews.
- Utilized GSAP, Emotion (@emotion/react, @emotion/utils, @emotion/css) and Three.js to redesign the Cryptosaurs website and NFT pool, enhancing its aesthetics and interactive elements. This parallax redesign added visual appeal and interactivity to the platform.

Senior Frontend Engineer

Montech INC | December 2021 - November 2022

Remote

- Enhanced efficiency by 40% by developing Web3 templates and SDKs, streamlining smart contract interactions and cryptography. Reduced onboarding time for new hires by 50% and implemented NFT minting on ERC-721 and ERC-1155 standards.
- Responsible for the development of the entire GameFi application (<https://www.blokchessclub.com>) as the lead developer using React, TypeScript, IPFS, IPLD, and Socket.IO on the frontend, Express for Node.js backend, Apollo server, WebSockets, Docker, Kafka, and Redis. Additionally, integrated Google Cloud Functions to enhance real-time functionality and scalability.
- Elevated transaction success rates by 30% by seamlessly integrating various payment methods with cryptocurrency wallets with in-house SDK created and email login with Magic, SSL, TLS, and OAuth.
- Pioneered cross-chain transactions by implementing Bridging on the Binance Smart Chain and Ethereum Blockchain, facilitating an increase in cross-chain transactions. This innovation led to increased interoperability across multiple blockchains, including Ethereum, BSC, Avalanche, Polygon, and Flow, resulting in a 25% boost in platform connectivity.

Software Developer

Zsolutions | January 2019 - December 2021

Remote, NG

- Designed and integrated a user-friendly parent-teacher portal, centralizing student progress information for improved communication between parents and teachers.
- Developed a comprehensive dashboard within the e-learning platform, leveraging React, React Query, @tanstack/table, Cypress and Jest. This feature provided invaluable insights into student performance, and engagement, enhancing the overall experience.
- Created a comprehensive Computer-Based Testing (CBT) section to enhance the educational experience.
- Engineered a React Native mobile application for the parent-teacher portal, ensuring a seamless user experience on iOS and Android platforms. Additionally, I designed and implemented the Node.js backend infrastructure, achieving a remarkable 98% adoption rate among parents and teachers, with an average response time of just 80 milliseconds. I also implemented automated testing to enhance platform reliability.

Senior Software Engineer –Frontend

LD Talent | July 2018 – December 2018

Remote, USA

- Implemented USDC wallet systems using Circle API for a banking application as part of the Lotus project shortly after the initial release of USDC.
- Developed a job search platform using React, Typescript, Emotion (react, utils, styled, cache, serialize), MQ, and Firebase, incorporating automated examination of profiles and skills using data structure and algorithms (DSA).
- Migrated codebase from Svelte, Vue.js, and React to Next.js with server-side rendering. This optimization significantly enhanced code strength and platform speed, resulting in a 30% reduction in load times for improved user experience.
- Introduced design frameworks to boost user response rates to ad placements by a remarkable 100%.

Frontend Engineer

Purplegate Technologies | November 2016 – July 2018

Lagos, NG

- Developed a versatile white-label template, slashing project timelines by 25%. This template revolutionized project delivery, ensuring consistency in user interfaces across applications. Employed cutting-edge technologies, including TypeScript, React, Redux, React-table, and the white label template, to create responsive UIs that set industry standards.
- Spearheaded initiatives to optimize the frontend codebase of Vevo's online restaurant ordering platform by elaborate debugging and esbuild configuration in place from webpack, resulting in a remarkable 40% surge in user acquisition.
- Focused on code improvements to enhance speed and scalability, significantly elevating the user experience and attracting a substantial user base (Also, migrated codebases from ES6 JavaScript to Typescript).
- Pioneered a rigorous quality control strategy, integrating automated testing tools such as Jest and Cypress into the development process. This proactive approach ensured superior code quality, minimized regression issues, and guaranteed seamless functionality for end-users.

SKILLS

Languages: Javascript, Typescript, ClojureScript, Solidity, WebGL, GLSL

Frameworks: React, Next.js, React Native, HTML, CSS3 + Sass, Tanstack, Styled-components, Emotion, Storybook, Web3.js, Ethers.js, Viem, Wagmi, Hardhat, Three.js, GSAP, OpenSeaDragon, Figma, GraphQL, Node.js, Docker

Other Skills: Agile workflow, Software Testing(TDD), UI improvement, Creative Development, UI kits Development, CI/CD

Platforms: IPFS, ENS, Infura, Alchemy, Chainlink, Waku, Libp2p, React-Spectrum (@react-aria), A11y, GCP, AWS, GitHub Actions

Blockchains: Ethereum, Solana, BSC, Polygon, Avalanche, Flow

PROJECTS

POLKAPET DAPP

<https://dapp.polkapet.world>

- Technologies used: Next.js, Typescript, MUI, @Emotion/react, @Emotion/styled, Web3.js, Ethers.js, Solidity.
- Project Summary: Developed a multifunctional decentralized application (Dapp) on the Polygon blockchain for Pet NFTs, offering staking, farming, vault security, and a Mystery Box feature.

TASTEMAKERZ

<https://tastemakerz.xyz>

- Technologies used: Next.js, Typescript, Tailwind, Viem, Wagmi, Solidity.
- Project Summary: Implemented engaging features within the platform, including educational Learn-and-Earn modules, immersive Game-Fi integration, and an exclusive Monthly Claims system for whitelisted users, ensuring consistent value returns.

PAYMINTO

<https://www.payminto.com>

- Technologies used: React, Tailwind, Node.js.
- Project Summary: Developed Payminto with a focus on efficient processing, cross-border capabilities, robust security, and flexible integration. This includes quick and reliable transaction processing, competitive international rates, state-of-the-art security measures, and compatibility with various online platforms for seamless business integration.

EDUCATION

Associate of Engineering in Software Engineering

Lagos city computer college · Lagos, NG · 2018