Anuj Timsina

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Kathmandu, Nepal

FRONT-END DEVELOPER | WEB3 DEVELOPER

I am a versatile software developer, specializing in Web and Blockchain technologies. Proficient in front-end web development and adept at integrating blockchain solutions, I thrive on mastering new technologies quickly. I am confident that my commitment to innovation and writing clean, efficient code leads to exceptional results. Additionally, my collaborative nature makes me a strong team player.

SKILLS

Hard Skills:

- React.js/ Next.JS
- HTML/CSS
- Typescript
- Node.js
- Python
- Version Control (Git/GitHub)

Techniques:

- Responsive Web Design
- Cross-Browser Compatibility
- Linux CLI

PROFESSIONAL EXPERIENCE

NGIT Solutions Pvt Ltd
Mid-level Front-end Developer

Feb 2024- Aug 2024

PROJECTS

Decentralized Storage

- Worked on implementing Turbo Monorepo to optimize build processes, improved task parallelization, and efficient caching across multiple projects.
- Optimized Next.js build sizes by implementing tree shaking and other advanced optimization techniques.
- Conducted in-depth analysis using Next.js Bundle Analyzer and Lighthouse to identify optimization opportunities.
- Implemented a GitHub App for OAuth authentication, utilizing its fine-grained permission model.
- Developed composite and reusable components, improving code maintainability and enabling efficient UI development across multiple projects.

Pastel Software Solutions
Junior Front-end Developer

July 2022- Jan 2024

PROJECTS

EVM based Decentralized Exchange (DEX)

- Implemented Chakra UI library to streamline component development.
- Integrated price oracles into the decentralized exchange (DEX) for accurate real-time pricing, crucial for ensuring equitable and consistent trading.
- Utilized module CSS enabling better CSS code organization and resuability.
- Implemented UI testing scripts utilizing Jest for quality assurance purposes.
- Utilized React ChartJS library for implementing real time graphs.

NFT Marketplace for Metaverse Platform

- Explored Ethereum Improvement Proposals (EIP) and ERC token standards such as ERC-20, ERC-721 and ERC-1155.
- Created and deployed smart contracts for handling NFT transactions, including minting, buying, selling, and trading of NFTs.
- Leveraged ReactJS for state management, API calls and User Interface, building the frontend of the application.
- Implemented payment gateways using wallet to handle the buying and selling of NFTs using cryptocurrencies.
- Created a land map to represent NFT lands for trade with features such as merging and splitting of lands.

Cosmos SDK POC: Building a Metaverse Blockchain

- Researched in-depth understanding the Cosmos SDK, its core functionalities, and its modular architecture.
- Analyzed how the Cosmos SDK could be specifically tailored to meet the needs of a Metaverse platform.
- Implemented the Inter-Blockchain Communication (IBC) protocol, a key feature of the Cosmos SDK, to enable interoperability with other blockchains.
- Acquired a basic understanding of WebAssembly to facilitate the use of CosmWasm for converting Rust-based smart contracts into web-compatible formats.

Crypto Wallet Browser Extension

- Collaborated with UX/UI designers to create an intuitive and user-friendly interface, enhancing the overall user experience.
- Utilized Browser storage for data storage, ensuring efficient and reliable storage solutions.
- Integrated security features such as encryption and secure key storage to protect user data and transactions.
- Worked with service worker and message passing between extension and webpage

EDUCATION

BACHELOR'S DEGREE IN COMPUTER ENGINEERING   **Nov 2017 - Mar 2022**

Purwanchal Engineering Campus , Institute of Engineering (IOE) , Tribhuvan University, Nepal

PUBLICATIONS

- **Journal Articles:**
    MapGAN: Generating Maps from Aerial Images

- **Blog Contributions:**
    Nepal & The Blockchain Conundrum: Cryptocurrency Rules vs. Blockchain Development Legality