

Lakshay Malhotra

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Objective

Passionate and skilled Blockchain Developer with comprehensive experience in the MERN stack (MongoDB, Express.js, React.js, Node.js). Eager to leverage robust full-stack development skills and in-depth understanding of blockchain technology to design and implement secure, scalable, and efficient decentralized applications. Adept at problem-solving, collaborative teamwork, and adapting to dynamic technological landscapes. Seeking to contribute to innovative blockchain projects and drive the future of decentralized solutions within a forward-thinking organization.

Highlight of Qualification

- MERN Stack Proficiency: Expert in MERN stack (MongoDB, Express.js, React.js, Node.js) development, enabling seamless integration of front-end and back-end functionalities for blockchain applications.
- Smart Contract Expertise: Skilled in writing and auditing smart contracts using Solidity, ensuring secure and efficient execution on Ethereum and other blockchain platforms.
- DApp Development: Proven ability to develop decentralized applications (DApps) with a focus on user experience, scalability, and security, utilizing web3.js and other blockchain-related libraries.

Technical Skills

Blockchain Technologies:

- Smart Contracts (Solidity)
- Blockchain Platforms (Ethereum, Binance Smart Chain, Hyperledger)
- DApp Development (web3.js, ethers.js)
- Blockchain Security and Auditing

MERN Stack:

- MongoDB: NoSQL database design, aggregation, and indexing
- Express.js: RESTful API development, middleware integration
- React.js: Component-based architecture, state management (Redux, Context API), hooks
- Node.js: Server-side scripting, asynchronous programming, npm/yarn package management

Education

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| • Bachelor In Computer Science Panjab University Chandigarh, India | May 2019 - 2023 |
| • Graduate Certificate in Blockchain Development George Brown College Toronto, Ontario | Jan 2024 - Present |

Professional Experience

Infosys | Chandigarh, India
Softwate Developer

Jan 2023 – Sept 2023

- Developed & Ensured user satisfaction and retention by providing responsive tech support.
- Implemented Built and maintained software documentation sites using various programming languages.
- Increased productivity by using software to organize, track bug patches, and add feature requests.
- Wrote and audited smart contracts in Solidity to manage voting logic and ensure transparency.
- Collaborated with other developers to update the production codebase.

Projects:

Decentralized Voting System:

Description: Designed and developed a decentralized voting system that ensured secure and transparent elections using smart contracts on the Ethereum blockchain.

- Responsibilities:
Developed the front-end using React.js for a user-friendly interface.
- Implemented the back-end with Node.js and Express.js to handle API requests.
- Utilized MongoDB to store voting data securely.
- Wrote and audited smart contracts in Solidity to manage voting logic and ensure transparency.
Integrated web3.js to interact with the Ethereum blockchain.

E-commerce Platform:

- Description: Designed and developed a full-stack e-commerce platform using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Responsibilities: Developed a user-friendly front-end using React.js for product browsing, shopping cart management, and checkout.
Implemented a secure back-end with Node.js and Express.js for user authentication, product management, and order processing.
Utilized MongoDB for storing product data, user information, and orders.
Integrated payment processing gateways for secure transactions.
- Outcome: Created a functional e-commerce platform with features like user accounts, product search and filtering, secure payments, and order tracking.

Volunteer & Community Involvement

Volunteer (Aagaz Foundation NGO) Chandigarh, India

Sept 2020-2022

- Conducted educational workshops and training sessions aligned with the NGO's objectives.
- Supported health-related initiatives and actively participated in awareness campaigns.
- Participated actively in tree planting, clean-up campaigns, and other eco-friendly activities.