Mahesh Bandlamudi

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SUMMARY

I am a B. Tech graduate from the Indian Institute of Engineering Science and Technology, Shibpur. Currently working as an Associate Consultant at PwC India Blockchain Lab, My expertise lies in developing scalable web applications using React.js and Node.js, with a passion to integrate blockchain technology into them to deliver innovative solutions.

Passionate about leveraging technology to solve real-world challenges, I am actively seeking new opportunities where I can contribute my skills, explore cutting-edge technologies, and drive impactful projects that bridge innovation with meaningful applications. I am excited to collaborate with forward-thinking teams to build solutions that make a difference.

EXPERIENCE

Associate

PwC India   September 2024 -December 2024, Kolkata, IN

· **Web Application Development**: Developed scalable and responsive web applications using **React.js** for frontends and **Node.js/Express.js** for robust backend functionality.

· **Blockchain Integration**: Designed and implemented blockchain-based features, including **smart contracts** and **Ethereum/Hyperledger** solutions, to enhance transparency, security, and efficiency.

· **Collaborative Solution Design**: Collaborated with cross-functional teams to analyze client requirements and deliver tailored blockchain solutions across industries such as **finance, supply chain, and healthcare**.

· **Problem Solving & Innovation**: Applied blockchain technology to address real-world challenges, improving processes through secure and distributed systems.

· **Continuous Learning & Adaptation**: Stayed updated with emerging trends in **blockchain** and **web development** technologies, ensuring delivery of cutting-edge solutions aligned with best practices.

· **Development Practices**: Followed **Agile methodologies**, built **RESTful APIs**, and integrated third-party services to optimize application performance and scalability.

PROJECTS

Textile Supply Chain Traceability Web Application

PwC · September 2024 - October 2024

· Developed a blockchain-based web application to enable **end-to-end traceability** of the textile supply chain.

· Implemented **smart contracts** to authorize transactions and ensure accountability across stakeholders, from raw material procurement to wholesalers.

· Integrated blockchain transactions with a database for **cross-verification** of data integrity and transparency.

Tokenization of Renewable Power

PwC · November 2024 -December 2024

· Designed a blockchain-based solution to **tokenize electricity** generated from renewable energy sources.

· Enabled entities to trade energy tokens with **DISCOMs** or buyers to comply with renewable energy regulations, promoting a sustainable energy ecosystem.

Birth Certificate and Caste Certificate on Blockchain

PwC · October 2024 - November 2024

· Built a blockchain-powered system to store and manage **birth and caste certificates**, ensuring data **immutability** and trustworthiness.

· Leveraged blockchain to create a **secure, tamper-proof source** of official records, enhancing accessibility and reliability for government services.

SKILLS

Technical Skills:
· **Web Development**: React.js, Node.js, Express.js, JavaScript, HTML, CSS
· **Blockchain Technologies**: Smart Contracts, Ethereum, Hyperledger, Distributed Ledger Technology
· **Programming Languages**: JavaScript, Solidity
· **Backend Development**: RESTful APIs, Database Integration
· **Development Practices**: Agile Methodologies, Version Control (Git)
· **Tools & Platforms**: Visual Studio Code, Remix IDE, Postman
Project & Domain-Specific Skills:
· Blockchain Integration & Development
· Smart Contract Design & Deployment
· Supply Chain Traceability Solutions
· Tokenization of Assets
· Certificate Management on Blockchain
Leadership & Soft Skills:
· Workshop Facilitation and Training
· Event Management and Campaign Organization
· Collaboration Across Cross-Functional Teams
· Creative Problem Solving
· Effective Communication

EDUCATION

Bachelor of Technology

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