B Mahesh Goud

Full Stack Engineer

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SUMMARY

Innovative and results-driven Blockchain Developer with over 5 years of experience in developing and implementing blockchain and AI solutions. Adept at creating smart contracts, deploying decentralized applications, and integrating AI models to enhance product functionalities. Seeking to leverage expertise in a dynamic organization to drive technological advancements and achieve strategic goals

KEY SKILLS

Blockchain Technologies: Ethereum, Cryptography networks, Web3.0, Hyperledger, Metaverse, NFTs, FISCO BCOS

Databases: Level DB, MySQL, MongoDB

Programming Languages: Angular, ReactJS, Node.js, HTML, CSS, C, C++, Java, Solidity, Python

AI Technologies: AI Model Development, TensorFlow, Caffe, ONNX, CEVA

Other Skills: Smart Contracts, DApp Development, REST APIs, Blockchain Testing, RISC V Architecture, Firmware development for CEVA

PROFESSIONAL EXPERIENCE

Full stack Developer — Mar '21 - Present

Exaleap semi Pvt.ltd — yeshwanthpur bangalore

product based company leading in the market of china using Riscv architecture

- **Blockchain Platform Testing**: Conducted extensive testing of blockchain platforms[Ethereum, Hyperledger, Solana] on RISC V architecture, reducing transaction errors by 15%. Developed more than 10 poc applications.
- **AI Integration**: Developed 8 blockchain-based applications, integrating AI models to enhance data processing efficiency by 25%.
- **Team Leadership**: Led a team of 4 developers to design and implement blockchain solutions, successfully delivering 2 major projects within deadlines, boosting team productivity by 30%.
- **AI Model Development**: Created and optimized AI models using TensorFlow, Caffe, and ONNX, improving model accuracy by 20%. CEVA was the tool we used at hardware level to design and run the models.
- **Cross-Functional Collaboration**: Collaborated with product managers, data scientists, and other engineers to develop AI-driven blockchain solutions, leading to a 15% increase in user engagement.
- **Innovation and Research**: Conducted research on emerging blockchain and AI technologies, presenting findings that influenced strategic decisions and future project directions.

Block chain Developer — May '19 - Mar '21

Upsteer Tek solutions — Hyderabad, Telangana

Worked as a full time Blockchain Engineer to build the applications based on client requirement.

- **Smart Contract Development**: Developed and deployed over 10 smart contracts to private Ethereum networks, ensuring secure and efficient transactions.
- **REST API Creation**: Built REST APIs using NodeJS,.Net enhancing application performance and user interaction by 20%.
- **DApp Development**: Engineered 5 decentralized applications (DApps) using Angular and React, improving transaction security and user experience for over 2000 users.
- **Blockchain Integration**: Integrated blockchain solutions with existing systems, reducing transaction processing times by 30%.
- **Team Collaboration**: Worked closely with cross-functional teams to design and implement blockchain features, leading to a 25% increase in project delivery speed.

EDUCATION

Vignana Bharathi Institute Of Technology — Jun '15 - Jun '19

Computer Science [CSE] — Hyderabad,Telanagana

leading private university under JNTUH

- CGPA: 75/10

PROJECTS

PY Crypto:

- **Description**: A client-server chat application developed using Python, employing cryptography techniques for enhanced security.
- **Technologies**: Python, RSA Algorithm
- **Highlights**: Implemented RSA for encryption and decryption to ensure secure communication.

DChat β:

- **Description**: A decentralized communication application utilizing blockchain for transactions and messaging.
- **Technologies**: Blockchain
- **Highlights**: Enabled secure messaging and transaction functionalities through decentralized architecture.

Proof of Networks:

- **Description**: Built own proof-of-work and proof-of-stake networks and developed applications within these networks.
- **Technologies**: Blockchain
- **Highlights**: Designed and implemented consensus algorithms for secure network transactions.

Digital Certificate:

- **Description**: Application focused on eradicating fraud in degree certificate issuance.
- **Technologies**: Blockchain
- **Highlights**: Utilized blockchain to create tamper-proof degree certificates.

Digital Insurance:

- **Description**: Platform for purchasing products using ERC20 tokens or Ethers, with an integrated insurance feature.
- **Technologies**: Blockchain, ERC20
- **Highlights**: Developed secure purchase and insurance processes using smart contracts.

RISCV Blockchain:

- **Description**: Integrated blockchain technology with RISC V architecture, creating a secure and efficient blockchain environment.
- **Technologies**: Blockchain, RISC V
- **Highlights**: Developed applications to utilize the blockchain environment, demonstrating its capabilities.

Smart Grid Application:

- **Description**: Distributed energy resources using tokenization.
- **Technologies**: Blockchain
- **Highlights**: Developed a decentralized energy distribution system.

RISCV UI:

- **Description**: DApp for viewing transactions and user information.
- **Technologies**: Blockchain, UI/UX
- **Highlights**: Built user interfaces for transaction monitoring and management.

AI Model Development:

- **Description**: Training and fine-tuning AI models using TensorFlow, Caffe, and ONNX frameworks. Building the Firmware application for CEVA hardware and testing the trained models on chip.
- **Technologies**: TensorFlow, Caffe, ONNX, CEVA toolbox
- **Highlights**: Developed and optimized AI models for various applications and testing on the RISCV chip

IEEE RESEARCH & ACHIVEMENTS

- A Comparative Analysis of Various Blockchain Hardware Platforms Using Ethereum. *https://ieeexplore.ieee.org/document/9687830*
- A Decentralized Network to Secure Smart Grid Transactions Using Ethereum on RISC-V. *https://ieeexplore.ieee.org/document/9708533*
- Generation and Authentication of Digital Certificates using Ethereum for Mitigating Data Fraud on RISC-V. *https://ieeexplore.ieee.org/document/9752130*
- Best performer award for year 2021-2022 at Exaleapsemi.