Irfan Khan

Date of birth: 01/10/1990 │ **Nationality:** American │ **Gender:** Male │ **Phone number:** (+1) 4094017101 (Mobile) │

Email address: ik7796395@gmail.com │ **Address:** League City, Texas, United States (Home)

ABOUT ME

Innovative and visionary Full-Stack developer, dedicated to pushing the boundaries of web and mobile application development. With 6+ years of expertise in the field, I have spearheaded groundbreaking both Mobile and Web applications projects, harnessing the power of modern web/mobile technologies to shape the future of digital ecosystems.

WORK EXPERIENCE

United States
FULL-STACK WEB & APP DEVELOPER UPWORK

As a Full-Stack Developer, I created ERC20 and NFT tokens (ERC721 & ERC1155) and deployed smart contracts on Ethereum, Polygon, Binance Smart Chain, and Avalanche.
I integrated Solidity contracts with ABOUT ME WORK EXPERIENCE React.js frontends and Node.js backends, working on various international projects.I also served as a Senior Blockchain Engineer, leading a team of 5.
Projects Worked:
Dropsite Templatization:
• A Generic Dropsite/Mint-Site template where admin can set their NFTs and users can come and mint the NFTs Randomly.
• Performed complete generalization w.r.t probabilities, NFT Categories & random minting.
• Implemented Randomization using Chainlink Verifiable Random Function(VRF).
NFT-ES
• Developed smart contracts in Solidity for NFT-ES to trade NFTs.
• Developed Multiple types of Smart contracts to deal with Fungible and Non Fungible tokens.
• Developed ERC20 standard contract to Deposit and withdraw ethers.
• Verified Smart Contracts using Hardhat and Etherscan.
Rush49 INDID3RS.io
• Developed ERC1155 Based NFT events ticketing System for International Organisation Rush49.
• Implemented Royalties, Auctions & fixed price reselling for the users.
• Implemented ticket based NFT rewards for VIP members.
• Developed ERC20 standard contract to Deposit and withdraw ethers. • Deployed smart contarcts on Polygon
Chain.
Next-Up
•Created NXT Utility token for platform
• Impelmented dynamic Utility tokens deployment & listing for different athletes using hardhat.
• Based on athlete tokens Implemented athlete token based NFT rewards for VIP members.
• Developed ERC20 standard contract to Deposit and withdraw ethers.
Orio.io
• Developed A forked Coin(Network) and Crypto Network from Obyte DAG.
• Developed APIs for trading the cryptocurrency and integrated an NFT Marketplace
Atica
• A Multichain-Based Dapp for trading Gem Stones and Exchanging various Cryptocurrencies.
• Developed APIs for creating, transacting, and trading crypto tokens.
• Developed and Integrated web3.js APIs for transacting and creating Ethereum, monero, Bitcoin, and USDC wallets.

01/10/2017 – 01/08/2021 United States
FULL-STACK MOBILE AND WEBSITE DEVELOPER DEVOPS TECHNOLOGY

Projects Worked:
Web3 Network

• Developed Generic Smart Contracts: Created versatile smart contracts to support NFT marketplaces, using Solidity.
• Built NFT Marketplace: Designed and implemented a basic NFT marketplace application within the MERN/ MEAN stack.
• Designed ERC1155-Based Dropsite: Developed a Dropsite application based on the ERC1155 standard for efficient NFT distribution.
• Integrated Smart Contracts for Transactions: Seamlessly integrated smart contracts within the MERN/ MEAN stack to manage transactions involving digital assets.
• Rigorous Testing and Deployment: Conducted comprehensive testing and deployed the application on the Goerli Testnet using Metamask for verification and validation.
DStage
• Developed NFT Marketplace Interface: Created a user-friendly interface for the NFT marketplace using the MERN/MEAN stack.
• Custom Auctions & Royalties Integration: Implemented custom auction functionality and royalties management seamlessly within the marketplace interface.
• Token Contract Compatibility: Ensured compatibility with ERC721 and ERC1155 token standards, optimizing the interface for EVM-compatible chains.
• Deployment and Testing: Successfully deployed and tested the MERN/MEAN stack application for functionality and performance on various platforms, including a self-created Ethereum blockchain network and the Goerli Testnet using Metamask.

EDUCATION AND TRAINING

01/01/2016 – 23/10/2018 United States
DOCTOR OF PHILOSOPHY (PHD), COMPUTER ENGINEERING Carnegie Mellon University

Website https://www.cmu.edu/

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Vue.js │ Angular │ Next.js │ TypeScript │ react.js │ HTML │ JavaScript │ CSS │ Tailwand CSS │ Bootstrap │ Node.js │ Php/Laravel │ MongoDB │ Python (Django/Flask) │ Express.js │ React-Native │ Flutter (iOS + Android) │ Git