Rabeeb Aqdus Jilani

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Summary

Software Engineer with 3+ years specializing in blockchain architecture, smart contract development, and AI-driven systems. Expertise in building secure, scalable Web3 applications and intelligent conversational agents using MERN stack. Proven track record of delivering optimized smart contracts for DeFi platforms, NFT marketplaces, and AI-Web3 integrations. Strong foundation in distributed systems, full-stack development, and seamless integration of blockchain with modern web technologies.

Education

Bielefeld University — Bielefeld, Germany
Master of Science, Intelligent Interactive Systems — Oct 2025

University of Karachi — Karachi, Pakistan
Bachelor of Science, Computer Software Engineering — Feb 2019 – Feb 2022

Technical Skills

Languages: Solidity, Rust, TypeScript, JavaScript, Python
Blockchain: Ethereum, Solana, Smart Contracts, Web3.js, Ethers.js, Hardhat, Truffle, DeFi Protocols, NFT Standards
AI/ML: LangChain, LangGraph, OpenAI APIs
Databases: PostgreSQL, MongoDB, MySQL
Frameworks: React.js, Node.js, Express.js, Next.js
Tools: Git, Docker, AWS, REST APIs, GraphQL, Automated Testing, CI/CD
Methodologies: Agile, Scrum, Smart Contract Auditing, Gas Optimization, Security Best Practices

Professional Experience

Software Engineer — May 2023 – Oct 2025
Decrypted Labs, Karachi, Pakistan

- Architected and deployed 15+ production-grade smart contracts for EVM and Solana ecosystems, processing over $2M in transaction value with zero security incidents
- Engineered AI-powered chatbots integrated with blockchain networks, including Solana-based conversational agents
- Conducted comprehensive smart contract audits focusing on gas optimization, reentrancy prevention, and formal verification techniques
- Designed Web3 API infrastructure using TypeScript, enabling seamless interaction between frontend applications and multiple blockchain networks
- Researched and implemented novel design patterns for cross-chain DApps, improving interoperability between the Ethereum and Solana ecosystems
- Developed AI-Web3 hybrid applications combining machine learning models with decentralized data structures for intelligent, context-aware user experiences

Blockchain Developer — Jan 2023 – Apr 2023
Pluton, Karachi, Pakistan

- Developed secure Solidity smart contracts for DeFi applications with emphasis on security auditing and best practices
- Collaborated with cross-functional teams to architect scalable Web3 solutions and integrate blockchain with existing systems

Frontend Developer — Feb 2022 – May 2022
IT Panda, Karachi, Pakistan

- Built responsive web applications using React.js and modern JavaScript frameworks with focus on user experience

Certifications & Training

Scrum Foundation Professional Certificate | Ethereum Blockchain Development Bootcamp with Solidity (2022) | Xord Blockship Blockchain Development Program (2022) | Full Stack Development, MERN Stack Development (2021)