Jayampathy Wijesena

BLOCKCHAIN DEVELOPER | SMART CONTRACT ENGINEER

(+94) 75949955 | udayanga5@gmail.com | Colombo, Sri Lanka
https://jayampathiw.github.io/Portfolio/
https://www.linkedin.com/in/jayampathy-wijesena/

----------------------- PROFESSIONAL SUMMARY-------------------------

Blockchain Developer with strong expertise in smart contract development and Web3 technologies, combined with 8+ years of software engineering experience. Specialized in developing secure smart contracts, DeFi protocols, and decentralized applications using Solidity and modern Web3 frameworks. Proven track record of reducing gas costs by 45% and implementing cross-chain solutions serving 100,000+ monthly users. Strong focus on blockchain security, cryptography, and building scalable decentralized solutions.

-------------------------- TECHNICAL EXPERTISE-------------------------

Blockchain & Smart Contracts:
Solidity • Smart Contract Development • Web3.js • Ethers.js • EVM • OpenZeppelin • Gas Optimization • Cross-chain Protocols • DeFi • NFTs

Security & Cryptography:
Smart Contract Security • Security Auditing • Cryptography • AES-256 • zkSNARKs • Proxy Patterns • Access Control • Multi-sig Implementation

Development Tools:
Hardhat • Foundry • Truffle • Remix • Ganache • IPFS • Tenderly • OpenZeppelin Defender • Layer 2 Solutions • Chainlink Oracles

Web3 Development:
DApp Development • Web3 Integration • Token Standards (ERC) • Blockchain Protocols • DeFi Protocols • Cross-chain Development

Frontend Development:
Next.js • React.js • TypeScript • GraphQL • Material-UI • TailwindCSS

Backend & Infrastructure:
Node.js • RESTful APIs • Microservices • AWS • Docker • CI/CD

Testing & Quality:
Smart Contract Testing • Unit Testing • Integration Testing • Test Coverage Analysis • Security Testing • Automated Testing

-------------------------- ADDITIONAL SKILLS-----------------------------

- Blockchain Architecture Design
- DeFi Protocol Development
- Smart Contract Auditing
- Technical Leadership
- Security Best Practices
- Cross-functional Team Collaboration
- Problem-Solving & Debugging
- Technical Documentation

--------------------- P R O F E S S I O N A L   E X P E R I E N C E ---------------------

Senior Blockchain / Web3 Developer, ChainFortress | Colombo (Remote)   2023/Jun – present
Led development of enterprise-grade Web3 document management platform focusing on blockchain integration and frontend architecture.

- Implemented cross-chain functionality using LayerZero and Axelar protocols, optimizing gas consumption by 45% and saving $100K+ in transaction costs
- Developed secure document management solutions using IPFS with AES-256 encryption and zk-SNARKs, reducing cloud costs by 35%
- Established comprehensive testing automation using Hardhat and Foundry frameworks, achieving 90% smart contract test coverage
- Integrated Tenderly monitoring and OpenZeppelin Defender for enhanced security and monitoring
- Built scalable frontend using Next.js 13 and GraphQL, serving 100,000+ monthly users
- Led technical architecture decisions for blockchain implementation and security protocols

Senior Angular Consultant, CSG Internatinal | Colombo (Remote)   2020/Mar – 2023/Jun
Spearheaded Angular development and architecture for enterprise-level telecommunications solutions serving global clients.

- Developed enterprise-grade applications with focus on security and scalability
- Implemented state management solutions for complex data flows
- Established comprehensive testing strategies achieving 95% code coverage
- Led team of developers in adopting modern development practices
- Integrated secure authentication and authorization protocols

Tech Lead, Cinglevue | Colombo, Sri Lanka   2019/Jan – 2020/Feb

Led modernization of legacy educational platform through implementation of micro-frontend architecture and modern development practices.

- Led architecture and development of secure, scalable applications
- Implemented microservices architecture improving system scalability by 60%
- Developed shared component libraries reducing development time by 35%
- Established security protocols ensuring GDPR compliance
- Managed cross-functional teams in delivering complex technical solutions

Tech Lead, eBuilder | Colombo, Sri Lanka   2010/Nov – 2018/Dec

Managed development of enterprise financial and travel management solutions for Fortune 500 clients and financial institutions.

- Built responsive SPAs handling 1M+ daily transactions
- Improved mobile engagement by 60% through responsive design
- Implemented real-time data synchronization with WebSockets
- Technologies: Angular, JavaScript, REST APIs, Bootstrap

------------------------------ E D U C A T I O N ------------------------------

Bachelor's Degree in Information Technology, *BCS, The Chartered Institute for IT, London, England*
Diploma in Computer System Designing (DCSD), *NIBM, Colombo, Sri Lanka*

------------------------------ C E R T I F I C A T I O N S ------------------------------

Blockchain Expert, *Algoexpert*
Front-End Expert, *Algoexpert*
Front-End Web Developer, *Udecity*
Oracle Certified Associate (OCA), *Oracle University*