

salitha wijerathna

software engineer / blockchain / ai / backend

Software Engineer specialising in blockchain, AI and backend development. Experienced in MERN, AWS infrastructure, smart-contract platforms and delivering scalable technical solutions.

technical skills

backend / web

JavaScript, TypeScript, Node.js, Express.js, Python, FastAPI, REST, PHP, SQL, Nginx

blockchain

Solidity, Web3.js, Ethers.js, Smart Contracts, Ethereum, EVM, L2, DeFi, Wallet Security

ai

LLMs, RAG, NLP, LangChain, Ollama, OpenAI, Google AI, Amazon Q, MCP, n8n, Meta-Prompting, Model Training, TTS, STT, Guardrails

cloud / data

AWS, CDK, Lambda, EC2, S3, Route 53, Docker, CI/CD, MongoDB, Pinecone, ChromaDB, DynamoDB

education

2019-2020

BSc Computer Science and Software Engineering

University of Bedfordshire
First Class Honours
Research: FireProtect - Wildfire prevention using IoT

2016-2019

Higher Diploma in Information Technology

SLIIT, Sri Lanka

open source

Prompt Bouncer

TypeScript guardrail and content-moderation npm package for AI applications.

[GitHub](#) [npm](#)

contact

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Kurunegala, Sri Lanka

kaweendra.is-a.dev

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github.com/kaweendras

experience

November 2023 - Present

Sydney / Colombo

Senior Software Engineer

XigeniX / Full-Stack Blockchain

Full-stack blockchain and AI development with AWS, CDK, Lambda, Solidity, Ethers.js and Node.js.

- AI Solutions: Built natural-language ordering and RAG systems with OpenAI, Google AI, Ollama, Pinecone, ChromaDB, n8n and REST APIs.
- SKY AI: For [SMATA Technologies](#) (strata industry), architected a multi-tenant Amazon Q Business assistant with AWS CDK, OpenAPI tools, meta-prompting and evaluation workflows.
- MCP Integration: Connected Claude Desktop to internal services, optimising tool execution, context handling and latency.
- MyCarbon Platform: Delivered a full-stack blockchain platform on Arbitrum L2 EVM with custom contracts and [LokBlok](#) Toughbox wallet security.
- Code Quality Initiative: Led company-wide SonarQube adoption for automated code-quality and security analysis.

June 2021 - November 2023

Seoul / Remote

Software Engineer

Block-Stars Pvt Ltd

Built MERN and Web3 products using Web3.js and Solidity; also contributed as Project Lead and supported QA.

- K-Culture, NFT Real Estate and Fauna NFT: Delivered full-stack marketplaces with ERC-721/1155 contracts and OpenSea-compatible minting.
- Token Generator: Developed ERC-20 token-generation contracts and frontend functionality.
- StarApple: Re-engineered MetaMask for Polygon with custom-token support.
- Futures-Trading Platform: Built Ebest middleware for KOSPI/KOSDAQ and a CRON pipeline collecting daily KRX data.
- GREEN P2P: Deployed a Dockerised MERN/Tatum.io custodial wallet for gas-free P2P transactions on Linux.

January 2020 - April 2022

Independent / Remote

Freelance Software Engineer

iSotek / Upwork

Delivered web, mobile, Web3 and machine-learning solutions using MERN, PHP, Python, Go and Java.

- DIG-NFT: Built a non-EVM marketplace on XRPL; MathBuddy: developed a Node.js, Express and MongoDB Atlas mobile backend.
- Cloth Predictor: Used Python, Pandas, Scikit-learn and FastAPI; Math Game: used Java SE, NetBeans and MySQL.