



Salitha Kaweendra

Software Engineer

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Languages & Technologies

- JavaScript
- Java
- PHP
- Python
- MySQL
- MongoDB
- MongoDB Realm
- HTML/CSS
- ReactJS
- NodeJS
- ExpressJS
- Solidity
- Blockchain
- Web3JS/EtherJS
- AWS , CDK, Lambda
- Serverless , DynamoDB
- S3 Buckets, EC2
- Github/Gitlab
- Git
- JIRA/Slack/ClickUp
- Linux & Mac

I'm a highly skilled Software Engineer with a First Class Honours degree in Computer Science and Software Engineering. Experienced in full-stack blockchain development, MERN stack, and web3 technologies, I have a proven track record in decentralized applications and custom token solutions. Adept in project management and leading innovative solutions, I bring extensive experience from both freelance and permanent roles, showcasing adaptability across various tech stacks and emerging domains.

Education

University Of Bedfordshire, (SLIIT Academy)

2019 — 2020

Bachelor of Science in Computer Science and Software Engineering
First Class Honours

Experience

Software Engineer (Full-Stack Blockchain)

XigeniX

2023(November) — Present

Currently, I'm working as a Full-Stack Software Engineer in Blockchain, specializing in AWS, CDK, Lambda functions, Solidity, Ether.js and Node.js.

Notable Projects-

* MyCarbon - This is a project where we are trying to bring the carbon footprint of the users to the blockchain. I worked on the front end and the back end of the project. I also worked on the smart contracts to bring the carbon footprint to the blockchain.

Software Engineer

Block-Stars Pvt Ltd

2021(June) - 2023(November)

Worked in MERN Stack to develop web applications and use WEB3.js and Solidity to develop web3 projects. My tasks were heavily focused on backend, Web3 and Solidity

Notable Projects-

* "K-Culture" and "NFT Real Estate" which are decentralized NFT market places. I worked on the contracts to bring them up to ERC721 and ERC1155 standards and also worked minting functions to bring the NFTs to OpenSea.

* Fauna NFT - This is a NFT marketplace where users can mint their NFTs and sell them. I worked on the front end, the back end and on the smart contracts of the project.

* Token Generator - This is a web3 project which is used to generate ERC20 tokens with contracts. I worked on the front end and in creating ERC20 contracts.

* StarApple (Metamask Rebranding) - In this project I was responsible for rebranding the Metamask extension to StarApple and changing the default token to polygon with a custom token already added on the top of it.

* Future-Trading - This is a trading platform focused on KOSPI & KOSDAQ. I worked on the middle server where it manages the connection between our platform and Korean Service provider Ebest.

There was another component where it consists of a CRON job that collects daily stock data from KRX and stores it in our database.

Web Developer/Assistant Manager

Sanjayalali Agents - Foreign Employment Agency

2020(December) — 2021(December)

Worked as a web developer. The main task was to develop a web site and manage the social media accounts to bring the organization to masses. I also worked as an assistant manager to manage the day to day operations of the organization and employees.

Intern (Software Engineer)

Sri Lanka Ports Authority, Colombo 01

2020(February) — 2020(August)

Worked as a software engineer intern in Information system department. The main task was to develop a web application for the house hospital to manage the patients, medical records, medical history and medical staff.

Skills

- English Proficiency
- Communication
- Team Work
- Adaptability
- Creativity
- Problem Solving

Certifications

SQL Intermediate Certificate - HackerRank
<https://www.hackerrank.com/certificates/c7544c6181ca>

Problem Solving Advanced Certificate - HackerRank
<https://www.hackerrank.com/certificates/64c802759989>

JavaScript & Backend with nodeJS - DevTown
<https://www.cert.shopeal.tech/verify/iDCbRE>

Notable Projects

Fauna NFT

Role : Developer
Beneficiary: Block-Stars Pvt Ltd

This is an NFT marketplace (EVM) where users can mint and sell their NFTs. I contributed to the front end, back end, and smart contracts of the project, ensuring a seamless user experience and secure transactions. This project uses ERC721 and ERC1155 contracts, and users can buy NFTs using the platform's own ERC20 token. Separate functions were added to swap ETH tokens for ERC20 custom tokens using Uniswap v2.

Technologies used - Web3.js, EtherJs, NodeJs, React.js, Solidity, Uniswap, MongoDB, ERC20/721/1155, Multicall Contracts, IPFS, Infura, S3 Buckets

Token Generator

Role : Developer
Beneficiary: Block-Stars Pvt Ltd

The purpose of this project is to provide the user with a platform where they can deploy ERC20 Tokens with a button click without the hassle of writing a contract. This project was associated with Block-stars Pvt Ltd.

Technologies used - Web3.js, React.js, Solidity, ERC20

StarApple (Metamask Rebranding)

Role : Developer (Research & Development)
Beneficiary: Block-Stars Pvt Ltd (StarApple)

In this project, I had to rebrand the very popular Metamask extension. All the logos and "Metamask" references we changed to "StarApple" and starapple logos. Apart from changing logos, I had to set Polygon as the default network instead of ether and on top of the Polygon network, I had to include the client-requested custom token. So that when a user downloads the rebranded Metamask extension, the user does not have to change networks and import a custom token as the extension already comes with it. Extension id available in chrome web store.

Technologies used - JavaScript, Web3.js

OpenSea implementation

Role : Developer (Research & Development)
Beneficiary: Block-Stars Pvt

K-Culture was an existing centralised NFT marketplace. The client wanted to make it decentralised and make the NFTs minted in the K-Culture platform also available and visible in OpenSea. This project used 2 smart contracts. ERC721 and ERC1155. Mintings in ERC721 were fixed using an ipfs gateway called "Infura". Using infura, I was able to store NFT metadata in IPFS and use that URI to mint NFTs. In ERC1155 minting I created a new contract and separate back-end to store and fetch NFT metadata as the 1155 standard is used for one-time bulk minting. So as the developer, I had to come up with a solution.

Technologies used - React.js, Web3.js, Infura, IPFS, Solidity, Node.js

Green-P2P Wallet

Role : Developer (Research & Development)
Beneficiary: Block-Stars Pvt

Green P2P is a MERN stack-based crypto wallet with Tatum.io integration, enabling seamless wallet creation and gas-free peer-to-peer crypto transactions. It promotes accessibility and affordability in the crypto space. The project was dockerized and deployed in a Proxmox server.

Technologies: Node.js, PostgreSQL, Tatum.io, Ether.js, Docker, Proxmox

myCarbon (on Going)

Role : Developer (Research & Development)
Beneficiary: Xigenix Pvt

This is a project where we are trying to bring the carbon footprint of the users to the blockchain. I worked on the front end and the back end of the project. I also worked on the smart contracts to bring the carbon footprint to the blockchain

Technologies: AWS, Lambda Functions, S3, DynamoDB, Secrets Manger, CDK, Twilio (Serverless), CloudFormation, Parameter Store, Route53, Cognito, ERC1155/721/20, Hardhat, Upgradable Contracts

Future Trading

Role : Developer (Research & Development)
Beneficiary: Block-Stars Pvt

A trading platform focused on KOSPI and KOSDAQ. I worked on the middle server, managing the connection between our platform and the Korean service provider Ebest. I fetched data from the service provider, modified and formatted it to our needs, and stored/rerouted it to our platform. Additionally, I developed a component with a CRON job that collects daily stock data from KRX and stores it in our database, ensuring up-to-date trading information.

Technologies: Node.js, TS, CRON, Sockets.io, MongoDB, TelegramBots, Python, FastAPI.

DIG - NFT Marketplace

Role : Developer (Research & Development)
Beneficiary: Freelancing

Decentralized NFT marketplace specifically developed for the South Korea region. This project stands out due to its use of a ledger-based blockchain, rather than the more common Ethereum Virtual Machine (EVM) blockchain. We leveraged the XRPL (XRP Ledger) to mint NFTs and facilitate their integration into the marketplace. This innovative approach ensures faster transactions and lower fees, enhancing the user experience

Technologies: XRP Ledger, MERN, IPFS, Pinata, Infura, Docker, Proxmox,

DressMe

Role : Developer (Research & Development)
Beneficiary: Freelancing

A machine learning project designed to predict the type of clothing based on weather, occasion, time of day, gender, and colour. The project was developed using Python, with Scikit-learn and Pandas used to train the model. FAST API was employed to create the REST API, allowing clients to request predictions by sending parameters in the form of a POST request.

Technologies: Python, FastAPI, Scikit-Learn, Pandas, CockroachDB

MathBuddy

Role : Developer (Research & Backend Development)
Beneficiary: Freelancing

A mobile application focused on improving mathematics skills for O/L students. I contributed to the backend development of this project. The backend was built using Node.js, Express.js, and MongoDB, with MongoDB Atlas for cloud database management and GitHub for version control. The application was deployed on an AWS EC2 server, ensuring robust and scalable performance.

Technologies: Node.js, Express.js, MongoDB, AWS EC2, S3 bucket