

## SUMMARY

Cutting-edge blockchain developer with 7 years of experience in software engineering, web development and blockchain development.

Experienced with architecting, developing and deploying smart contracts and decentralized applications, including DeFi, DAO and NFT marketplace, etc.

Advanced knowledge of multiple programming languages, frameworks and extensive familiarity with blockchain infrastructure.

## EDUCATION

### BACHELOR OF COMPUTER SCIENCE

Sep 2011 – Nov 2015

University of Waterloo, Computer Science  
Waterloo, ON, Canada

## WORK EXPERIENCE

### FULL-STACK WEB3 ENGINEER

Labrys, REMOTE / May 2020 – NOW

- Architected and designed the NFT bridge between Ethereum, Solana and Pastel Network referencing **Wormhole** and Cosmos **IBC** protocol
- Built NFT picks application with **React**, **Node.js** and integrated payment service with **Stripe**
- Wrote and test smart contracts for NFT collection with **ERC721**, audited with **MythX** and built random-generated NFT resources with **Node.js** and **IPFS**
- Wrote scripts to scrap NFTs from Ethereum chain with **web3.js**
- Integrated smart contracts to frontend applications using **React**, **Web3.js** and **Ethers.js**
- Architected, designed and developed smart contracts for DeFi application using **Cosmwasm** and **Rust**.
- Developed smart contracts and frontend application for financial DAO based on **Olympus** DAO
- Developed smart contracts with **Solidity** for bonding & staking in Defi application.
- Worked on sports NFT project with **Flow/Cadence** and **React** to build a fast, decentralized and developer-friendly blockchain application.
- Integrated **Codat** service to the backend application for financial accounting, bank, ecommerce integrations
- Integrated **Coinbase**, **Coinmarketcap**, **Coingecko**, **Binance** api to the **Nest.js** backend application to sync latest coin data
- Built NFT marketplace application with **React**, **Node.js** and **Flow** framework

### COSMOS NETWORK ENGINEER

MixBytes, REMOTE / Apr 2019 – Nov 2019

- Analyzed and researched Cosmos Network and application-specific blockchain development using **Golang**, **Cosmos SDK** and **Tendermint**.
- Architected, designed and developed minimum viable product for application-specific blockchain using **Golang**, **Starpport** and **Cosmos**.



# SHANE LEWIS

SENIOR BLOCKCHAIN ENGINEER

CONTACT

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ON, Canada

### SOFT SKILLS

Flexibility  
Communication  
Collaboration  
Creativity  
Efficiency  
Accountability  
Self-Innovation  
Self-Starter  
Critical-Thinking  
Problem-Solving

### LANGUAGES

JavaScript	8 years
TypeScript	5 years
Python	5 years
Solidity	4 years
Golang	3 years
Rust	3 years
Cadence	2 years

## WORK EXPERIENCE

- Integrated **Inter-Blockchain Communication** Protocol to SDK-based application with **Golang**.
- Implemented multi-chain smart contract with **CosmWasm** and **Rust**.
- Researched and studied **Ethermint**, a scalable, high-throughout Proof-of-Stake blockchain, compatible with **Ethereum**.
- Worked on the frontend application using **Vue3** and **Quasar** framework.

### BLOCKCHAIN DEVELOPER

Unicsoft, New York, NY / Feb 2018 – Jun 2020

- Implemented, tested and audited open-source software to interact with on-chain smart contracts.
- Worked on the development and implementations of Defi application with **React**, **Solidity** and **Truffle**.
- Architected, developed and deployed ERC20 Cryptocurrency, Smart contracts and web application using **Solidity**, **Hardhat** and **React**.
- Researched and investigated **Cosmos SDK** and Cosmos Network.
- Wrote technical documentation to communicate key points to stakeholders.

### FULL-STACK(FE HEAVY) DEVELOPER

MerixStudio, New York, NY / Dec 2015 – Apr 2018

- Designed, developed and deployed full-stack web applications according to business objectives and needs of various clients with **React**, **Express.js**, **MySQL**, **PostgreSQL** and **MongoDB**.
- Improved the page speed by 17% for the ecommerce site that generates \$21M annually in revenue by implementing Code-Splitting and Optimizing performance with **React**, **GraphQL** and **Apollo**.
- Implemented **SEO** in **React** application for e-commerce site with a catalog of 20000+ products leading to an increase in page views per session of 23% with **SSR** in **Next.js** and **Gatsby**.
- Built Progressive Web Application (**PWA**) with **React**, **TypeScript** and **GraphQL (Relay)**.
- Worked on building customer-facing web application with **Express.js**, **Prisma**, **React**, **PostgreSQL** and **Node.js**.

## CERTIFICATIONS

### CERTIFIED BLOCKCHAIN DEVELOPER

Blockchain Council, Sep 2020

### CERTIFIED WEB PROFESSIONAL

CIW, Jun 2018



# SHANE LEWIS

SENIOR BLOCKCHAIN ENGINEER

#### FRAMEWORKS

React	7 years
Vue	5 years
Node.js	5 years
Express.js	5 years
Nest.js	4 years
Hardhat	4 years
Truffle	3 years
Cosmos SDK	3 years
Starport	3 years
Cosmwasm	2 years
Flow	2 years

#### EXTRA

MySQL  
PostgreSQL  
MongoDB  
GraphQL(Apollo, Relay)  
Next.js  
Gatsby  
Nuxt.js  
Quasar  
Laravel  
Django  
Flask  
Ethermint  
MythX  
IPFS  
Redis  
Elastic Search  
Docker  
AWS  
Vercel