

# Crimson Moore

Software Developer

## CONTACT

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🌐 [ducksquadd.io](https://ducksquadd.io)

## SKILLS

### Programming Language

Typescript, GoLang, C++, Rust, Lua

### Frameworks & Libraries

Vue/Nuxt, React, Fastify, N-API, Vitest, jest, etc

### Databases & Tools

PostgreSQL, MongoDB, Elastic, Redis, Docker, Git, and more

### General

Protocol Design, System Design, Project Management, Problem Solving, UI/UX Design, Leadership,

## RESEARCH

[Highlayer Litepaper - 2023](#)

[Cryptographic Subkeys in Decentralized Applications - 2023](#)

[Bridging Web2 Simplicity and Web3 Security - 2025](#)

## PROFILE

Experienced software engineer with a proven track record of building high-performance systems and leading innovative projects. Co-founded successful blockchain services companies and contributed to billion dollar projects. Passionate about cutting-edge technologies and developer experience optimization.

## WORK EXPERIENCE

### Elys Network - [elys.network](https://elys.network)

SOFTWARE DEVELOPER  
February 2025 - Present

- Played a crucial role in the pivot from Cosmos into Base a base DEX, where I led the design and architecture for the entire infrastructure, building highly responsive indexer, an swap router that responds in *~5ms*, and leading the integration into aggregators, and ensuring stability of all services
- Engineered *intelligent investment algorithms* leveraging advanced analytics to optimize trading strategies and maximize returns for investors
- Led developer relations initiatives to grow the ecosystem, providing assistance/documentation for APIs, building tools, and delivering technical guidance to third-party developers
- Developed a sophisticated AI Chat support agent to provide real-time assistance to users, enhancing platform engagement

### Aztec Network - [aztec.network](https://aztec.network)

SOFTWARE DEVELOPER (CONTRACT)  
AUG 2025 - Sept 2025

- Engineered a specialized AI assistant leveraging ChromaDB and Retrieval-Augmented Generation (RAG) technologies for advanced document retrieval
- Built advanced text parsing systems for parsing Noir Aztecs cutting edge ZK language for writing smart contracts on their network

## **Stellar Development Foundation - stellar.org**

SOFTWARE DEVELOPER

*June 2024 - June 2025*

- *Engineered a specialized AI assistant leveraging ChromaDB and Retrieval-Augmented Generation (RAG) technologies for advanced document retrieval*
- Implemented a *user-friendly UI using Nuxt* for efficient knowledge base management and system administration
- Created a system for the Stellar team to query a separate agent for analytics on questions asked to the AI assistant (e.g., most common Soroban-related questions)
- Demonstrated proficiency in *cutting-edge AI technologies and full-stack implementation*
- Contributed to streamlining development processes and improving overall support infrastructure for Stellar's growing ecosystem

## **Highlayer - highlayer.io**

SOFTWARE ENGINEER

*2023 Dec. - 2024 Sept.*

- Engineered the Sequencer, a high-performance Layer 2 solution for Bitcoin, achieving up to **50,000 TPS**.
- Developed a comprehensive JavaScript SDK to facilitate seamless interaction with the Highlayer, enabling developers to easily integrate on the network
- Created a robust CLI tool that streamlines the process of deploying smart contracts, significantly enhancing developer productivity and reducing deployment complexities
- Contributed to core infrastructure, focusing on scalability, security, and developer experience to position Highlayer as a leading Bitcoin Layer 2 solution
- Assisted in creating the Highlayer's technical whitepaper
- Assisted in developing comprehensive developer documentation

## **kwak - kwak.io**

CO-FOUNDER

*June 2024 - Present*

- Established and maintained validator services in the Cosmos ecosystem since 2022, ensuring network security and reliability
- Successfully secured **\$120,000 of user-delegated funds**, demonstrating trust and reliability in validator services
- Created extensive software solutions for blockchain projects, notably for Elys Network, contributing to the growth and functionality of emerging chains.
- Fostered partnerships and collaborations within the blockchain community, enhancing kwak's reputation as a reliable blockchain service provider
- *Created an Block Explorer for Elys Network that reached 1000 DAU*