Sueun Cho

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PROFESSIONAL SUMMARY

Blockchain systems engineer and former CTO with 5+ years of experience building smart contract protocols, validator infrastructure, and production backends. Strong focus on security, correctness, and performance (gas optimization), with experience leading engineering teams and shipping revenue-impacting products. Interests include blockchain security, consensus reliability, and formal methods for decentralized systems.

EDUCATION

University of Maryland, College Park, MD
Bachelor of Science in Computer Science, Minor in General Business | Expected May 2026 | GPA: 3.66/4.00
Relevant Coursework: Algorithms, Data Structures, Programming Languages, Computer Systems, Computer Architecture, Formal Languages, Computer Vision

SKILLS

Back-End / Database: Solidity, Rust, Python, Node.js, Java, PostgreSQL
Front-End: React, TypeScript, JavaScript, Web3.js
Infrastructure / DevOps: AWS, GCP, Docker, Git, blockchain node & validator operations

WORK EXPERIENCE

Freelance Blockchain Developer (Kmong Platform)   Jan 2020 – Present (Part-time)
• Achieved Prime status (top 2%) on Kmong based on client evaluations and platform metrics.
• Developed and deployed 10+ Ethereum and Solana smart contracts and token systems using Solidity and Rust.
• Delivered secure, scalable on-chain architectures and API integrations for non-technical clients.

Chief Technology Officer, Blockchain Department | B&G Systems Co., Ltd. | Seoul, South Korea   May 2021 – Jul 2023
• Led a 6-member blockchain engineering team and launched products that increased company revenue by 15%.
• Designed smart contract and backend architectures emphasizing security, gas efficiency, and maintainability.
• Instituted disciplined design reviews and correctness-driven engineering practices to proactively reduce engineering risk.

TECHNICAL PROJECTS

Co-founder | CoinHelio | Remote   Nov 2025 – Present
• Lead crypto data analysis and research to identify market inefficiencies and arbitrage opportunities.
• Develop real-time data pipelines to aggregate cross-exchange signals and backtest trading algorithms.

Alcohol Prevention Research Chatbot | University of Maryland, College Park, MD   Jan 2025 – Present
• Built and reviewed the backend for an NLP-based research chatbot, supervised by Grace Jeonghyun Kim, Ph.D., ensuring reliable data collection and integrity on GCP.
• Stack: Python, Flask, PostgreSQL, Docker, GCP.

Blockchain Validator Node Operator | Story Protocol (Node JPN)   Mar 2025 – Apr 2025
• Deployed validator nodes on AWS/Docker, monitoring uptime and performance for reliable network participation.
• Applied best practices in key management, access control, and observability (AWS, Docker, Linux).

CTO & Co-founder: The-Adena (Blockchain Online Game) | Seoul, South Korea   Mar 2022 – Dec 2023
• Led a 2-developer team to build and operate a blockchain game with 3,000+ users and USD 170K in revenue.
• Implemented and audited core smart contracts and token logic; verified deployments on BscScan.

Project Lead: Gomz Club (NFT Donation Project) | Seoul, South Korea   Apr 2022 – Jul 2023
• Designed and launched a high-profile NFT campaign featuring a public figure, donating 1.25 ETH (~$2,650) to the animal welfare organization Daon Rescue.
• Secured national media coverage in major Korean outlets, using NFTs to raise awareness for animal protection initiatives.

PUBLICATIONS

Introduction to Smart Contracts with Solidity [Solidity 로 시작하는 스마트 컨트랙트 입문]
• Sole author of a comprehensive 260-page technical manuscript on smart contract security and optimization.
• Full draft is open-sourced on GitHub; submission to a Korean technical publisher is planned for Mar 2026.

LEADERSHIP & ACTIVITIES

Developer | University Church, College Park, MD   Mar 2025 – Present
• Develop and maintain the full-stack website and server infrastructure (Flask, PostgreSQL) to support community outreach.

Blockchain Research Leader | Blockchain at Maryland   Feb 2025 – Present
• Lead student research in Web3, including on-chain data analysis and protocol case studies, and organize technical workshops.

Tech Leader | Korean Undergraduate Student Association (KUSA), University of Maryland   Aug 2024 – Present
• Built KUSA's first website and continue to lead technical initiatives using Flask, JavaScript, and PostgreSQL.

AWARDS & HONORS

OMSE Academic Excellence Society (OAES) Member | University of Maryland
• Recognized for academic excellence and leadership.

Smart Contract Excellence Award, B&G Systems Co., Ltd.
• Won B&G Systems' internal smart contract competition with a Solidity contract that reduced gas costs by 13%.