

Chunhu Cui

+1 219 964 4724 · lucky.goldragon@gmail.com
<https://www.linkedin.com/in/chunhu-cui-6a8b6b1b1/>
501 Cleveland ST Woodland CA

SUMMARY

- **Cooperative worker** with ownership mentality and a track record of delivering the highest quality strategic solutions to resolve challenges and propel business growth
 - Analytical and organized blockchain developer with hands-on experience in **network and consensus layers** of L-1 blockchain
 - Perform **complex operations** and built reliable metrics, indicators, and reports based on requirements.
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KEY COMPETENCIES

Chain development with Cosmos
SDK and Substrate

Several dApp development
experience including DEX and
NFT marketplaces

DevOps engineering with clean
node architectures

PROFESSIONAL EXPERIENCE

Glassflow NFT

Oct 2021 - Dec 2022

Blockchain developer & DevOps cloud consultant

Delaware, US

Accomplishments:

- Developed several custom modules of the chain for an **incentivized smart contract platform** that rewards dApp developers.
- Resolved **dependency problems** in customizing the governance module of Cosmos SDK into the vote escrowed governance.
- Responsible for spinning up a network with **Sentry Node Architecture** and management through several **DevOps tools** like Ansible, Terraform and Prometheus for configuration management, monitoring and logging purposes.
- Participated in several **architectural review meetings** and 70+ code reviews to ensure code quality.
- Also worked closely with dApp developers and employees of several validator and audit companies, and ensured the **smooth workflow** of all the processes towards the launching of the mainnet

Maui Finance

Apr 2020 - Sept 2021

Blockchain developer

Palo Alto, CA, US

Accomplishments:

- Analyzed user stories and architectures for implementing new features regarding **financial service industry and fintech solutions** in close connection with well-known systems like Plaid and Wyre.
- Pioneered the **DEX infrastructure** of the company in cooperation with financial engineers.
- Implemented backend to satisfy **Consensus of Wants** in crypto exchanges using **Rust and Golang**. Also made good use of off-chain methods such as **SubGraph** for smooth data fetches.
- Deployed the infrastructure on well-defined and sophisticated systems using various **CI/CD** and **IaC tools** like Github Actions and Terraform.
- Ensured the **security and quality** by assuring best practices are followed throughout the entire software development life cycle.

Emurgo
Blockchain developer
Tokyo, Japan

Feb 2019 - Jan 2020

Accomplishments:

- Developed C++ SDK for **integration of smart contracts in Algorand chain to Unreal engine** and contributed to the infrastructure of GameFi engine of the company
- Created and customized software applications using C/C++, C#, PowerShell, and Java, Go, Lua, as well and tools using **advanced development and coding techniques**

Applink Co.LTD
Backend developer
Hong Kong, Hong Kong

Feb 2013 - Oct 2018

Accomplishments:

- Participated in designing and development of **7 backend services** and infrastructures.
- Maintained customer satisfaction with **forward-thinking strategies** focused on addressing customer needs and resolving concerns.
- Used **TDD, BDD** to improve software quality and worked in **Agile Development** and maintained effective communication in the team going through all phases of **SDLC**.
- Refactored the software structure for our company, reducing overhead **costs by 24% per month**.
- Crafted their initial test strategy by developing test cases, taking them **from 0% test coverage to 40%**.
- Built **CI/CD pipelines** using Jenkins and set up a **zero downtime structure** with Kubernetes and EKS.

SKILLS

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|---------------------------|---------------------------|-----------------------|
| • Blockchain Architecture | • Python, Javascript | • TDD, BDD |
| • Tendermint, Raft | • Linux Shell | • CI/CD pipeline |
| • Cosmos SDK, Substrate | • AWS, OpenStack | • Agile Methodology |
| • Consensus Algorithms | • Docker, Kubernetes | • Security |
| • P2P network | • Terraform, Ansible | • gRPC, GraphQL |
| • Defi, NFT marketplaces | • Prometheus, Grafana | • PostgreSQL, MongoDB |
| • C++, Rust, Go, Solidity | • Jenkins, Github Actions | • RabbitMQ, Kafka |
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EDUCATION

The University of Hong Kong, 04/1996-04/2000
Bachelor's Degree in Computer Science

The Hong Kong Polytechnic University, 09/2000 - 09/2002
Master's Degree in Mathematical Physics
