



One-stop infrastructure, developer toolkit framework
DevOps service platform in Web3.0

Polkadot Hackathon 2022



Background



Involvement

01

- More developers join the Web3.0 space
- Low technical threshold expected

Complexity

02

- Various programming languages
- More complicated development process
- Repetitive operations, e.g., contract deployment

Interconnection

03

- Web3.0 ecosystem has grown large & internally interconnected
- More dependencies among diff. Web3.0 layers and projects, e.g., Dapp<>Chain, Chain<>Libp2p

Security Risks/Concerns

04

- Manual operations inevitably cause mistakes
- Potential huge security risks and losses, e.g., pGALA incident & leakage of private key on github

ALine Overview



One-stop developer toolkit, working as the DevOps platform in Web3.0

Supporting highly automated development and O&M processes

Customizable Pipelines

SaaS

Automated Task Flow

Developer Tools Integration

Business (Contract) Template

Code Security and Quality Checks

Customization of R&D Pipelines

Rapid Deployment

Teamwork Coordination

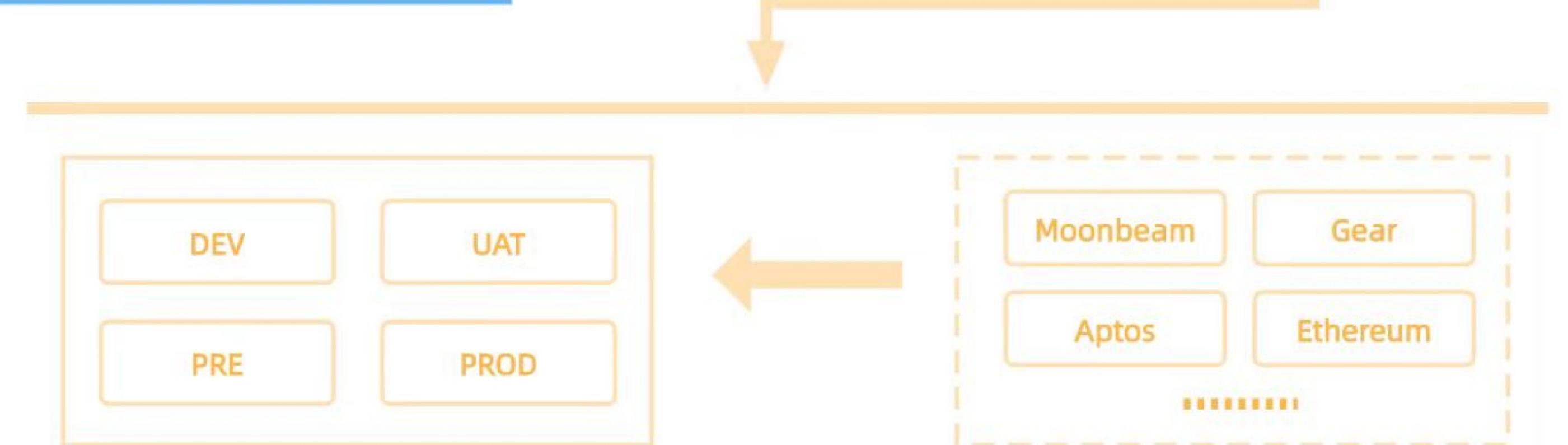
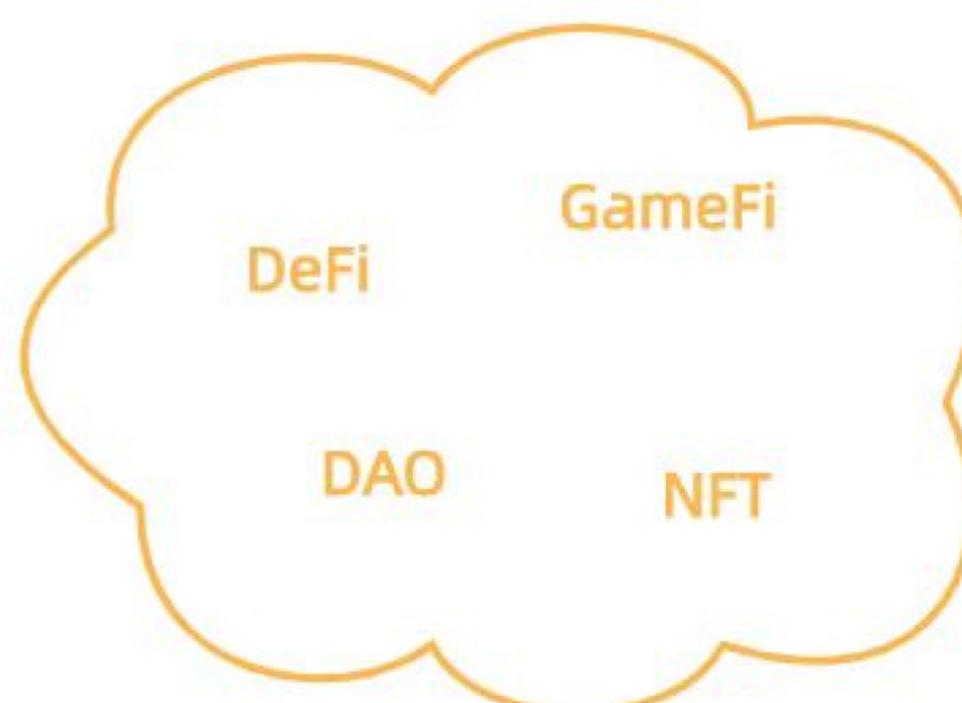
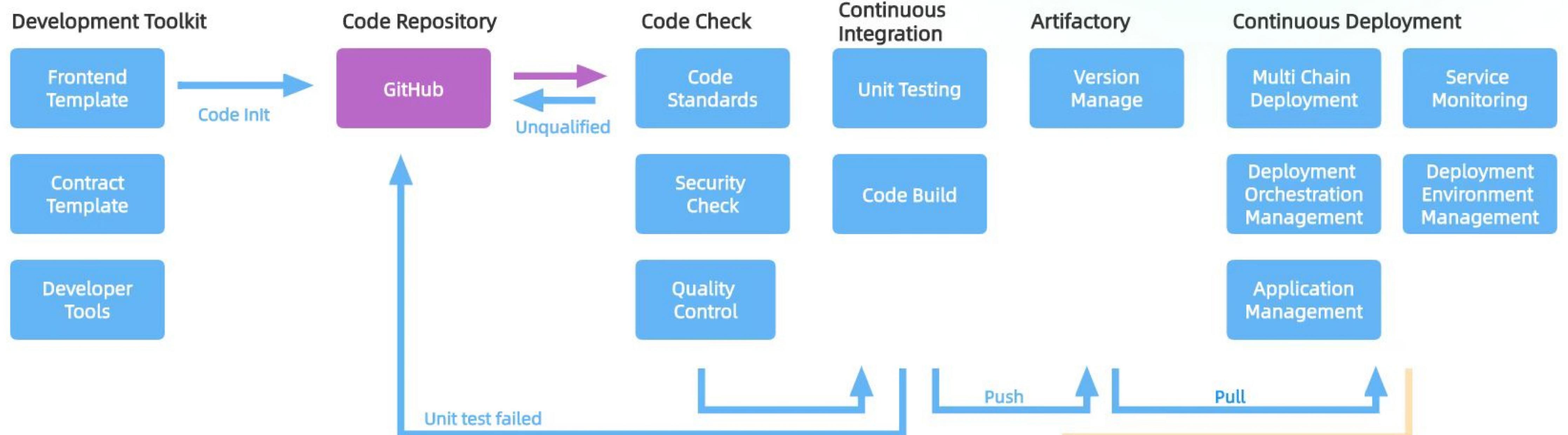
Digital Monitoring

Intelligent Operation and Maintenance

ALine Solution



Automated Pipeline





Benefits



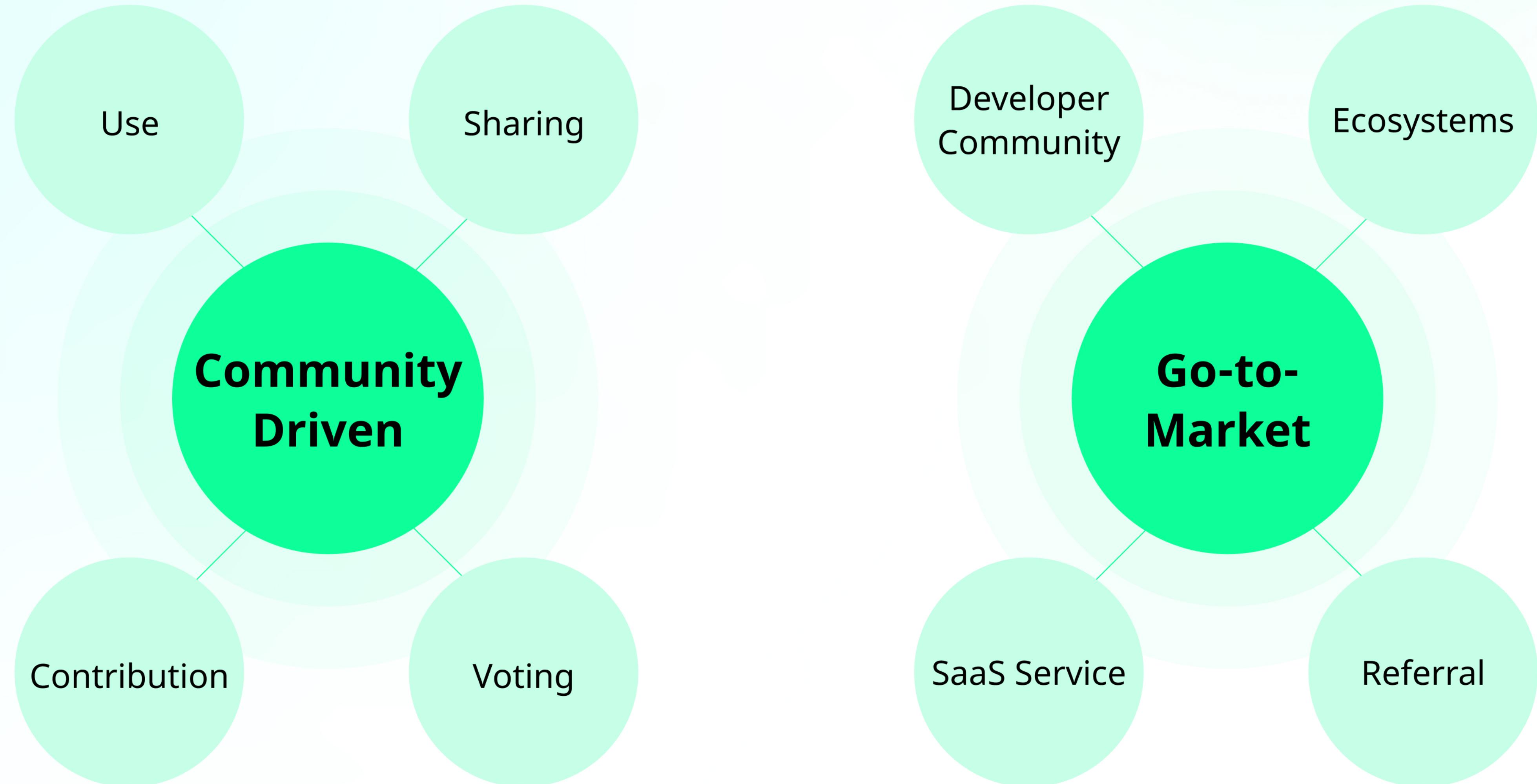
Lower threshold for all Web3.0 projects developing with ALine

Code/Contract security and quality are highly ensured, avoiding potential security risks and financial losses

Dapps run at full speed and update iteratively through DevOps using automation technology

~35% cost and 40% time of development are saved with support of ALine

Business Model



Team

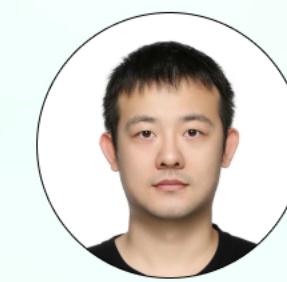
**Abing**

Team Lead

Master degree in CS from Tsinghua University

6 years practical experience in Software Development in big Tech Companies

Excellent graduate of the substrate course jointly organized by parity and OneBlock

**Liam**

Head of Tech

4+ years' experience in crypto

8+ years software coding experience in java/Go/Rust and Solidity DApps, DevOps and Cloud Computing

**Tom**

Lead of Dev Team

Over 9 years of software development experience

Being familiar with Go/Rust/Java/Python/JavaScript/Typescript, cloud computing, cloud native, and DevOps

**Linda**

Product Manager

Bachelor of CS from University of Houston

5 years in product management, incl. 2 years in blockchain industry

**Alvis**

Operation & BD

PhD in Economics and Management & Master in CS from Uni Stuttgart, UC Berkeley and Turiba University

Previous Co-Founder of Web3Go (Litentry Team)

**Nova**

Finance & Marketing

LP of several crypto funds

Graduated from Shanghai Jiaotong University

Roadmap and Demo

