



CHAINRIDER

Blockchain as a service platform



Need blockchain solution but DON'T HAVE DEVELOPERS?



Novel business models based on blockchain require deep understanding of the technology.



Building internal blockchain competencies is time consuming and expensive.



Existing BCaaS platforms provide incomplete blockchain toolsets, requiring significant background knowledge.



The process of building prototypes and blockchain MVP solutions usually lasts a couple of months.

ChainRider Blockchain as a Service

PUBLIC BLOCKCHAIN

DASH

Do you want to receive notifications for predefined events or transactions? We can help you.

BITCOIN

You can integrate smart contracts with our APIs easier than ever before.

FINANCE

You need real time financial data about cryptocurrencies? We have you backed up.

BLOCKCHAIN NETWORK GENERATOR

Configure a Hyperledger Fabric blockchain network and deploy it using our click-to-deploy feature to Google, AWS or Azure.

SMART CONTRACT GENERATOR

Speed up smart contract development testing and deployment.

MARKETPLACE

Explore advanced smart contracts and blockchain network templates and add fine-tune them to fit your needs.

PRIVATE BLOCKCHAIN

CRYPTOCURRENCY AI TRADING

530M+ DATA POINTS

ChainRider has a database full of trading activities from 10 major cryptocurrency exchanges for 16 cryptocurrencies.

DEEP REINFORCEMENT LEARNING

The recommender service uses a deep reinforcement learning AI approach fine-tuned on 100+ trained models.

CRYPTOCURRENCY TRADING SIGNALS

Get hourly trading signals for 5 cryptocurrencies (Dash, Ethereum, Bitcoin, Bitcoin Cash, Litecoin)



CHAINRIDER

OUR MISSION IS OUR DIFFERENTIATOR



Blockchain
templates
tailored to real
life business
workflows



Lower the
blockchain
technology
adoption bar



User friendly
tools for fast
blockchain
development

PUBLIC Blockchain as a Service



Digital currency

Dash



Digital currency

Bitcoin



Finance

Finance

How does it work?

The ChainRider service uses web tokens for authentication. A token is obtained by registering on the platform. You can use this token to query the blockchain for any type of resources (block, transaction, address) or management of your custom payment forwarding rules. More details could be found in our API docs.

What can you do?

- ✓ Get notifications about blockchain events/payments/blocks/transactions/addresses
- ✓ Create payment forward rules and forward your payments to multiple addresses
- ✓ Get instant commission for payments
- ✓ Dive deep into the blockchain
- ✓ Get instant send notifications for payments and transactions



CHAINRIDER



Dash

Our APIs offer a rich set of functionalities with high granularity level allowing you to fetch everything from common blockchain information to specific address balance and transactions in which an address was involved. Some of the highlighted features are:

- Send InstantSend Transactions
- Get info about Unspent outputs
- Create Payment forwards
- Query Address Balance
- Query transactions per block, blocks per date and much more...

"Receive InstantSend notifications for your transactions"

[Dash docs](#)

Finance

ChainRider offers a powerful set of RESTful APIs to view real-time and historical information on cryptocurrency markets. Our database aggregates up-to-the-second trade data from 10+ exchanges, giving you access to indicators and price feeds that are accurate and reliable. ChainRider allows you to customize data feeds, selecting which exchanges to include or exclude from a calculation. The APIs provides:

- Volume Weighted Average Price (for a selection of exchanges and pair)
- Time Weighted Average Price
- Trading Volume for corresponding pair
- Trading Volume per exchange

**"Get real-time VWAP
for cryptocurrency
market"**

[Finance docs](#)

AI based
cryptocurrency
trading
recommender
service

TRADING DATA

SINCE AUGUST 2018

10

EXCHANGES



16

CRYPTOCURRENCIES



530MIL+ DATA POINTS

DATASET GROWS EACH HOUR

MACHINE LEARNING MODELS

Bollinger bands

close, rsi,
bandwidth,
percent-b, cv, x,
chop and roc

100+

different trained
and tested
models

1 hour

data
aggregation



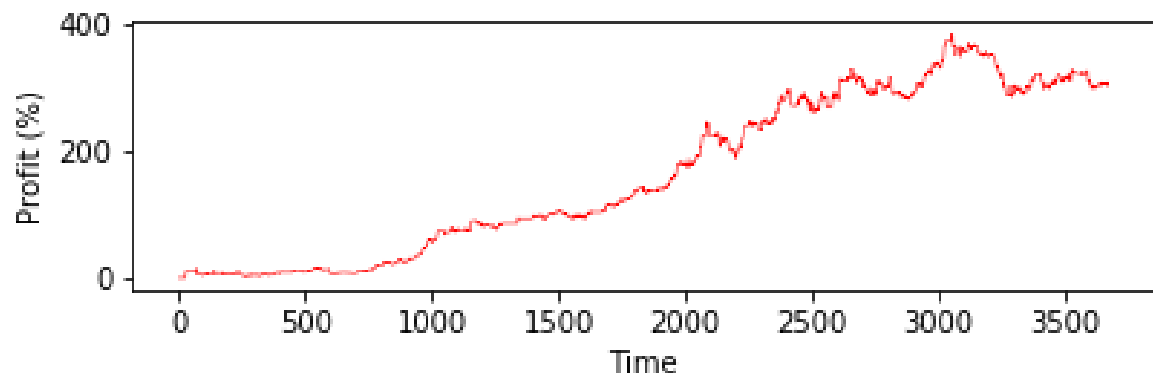
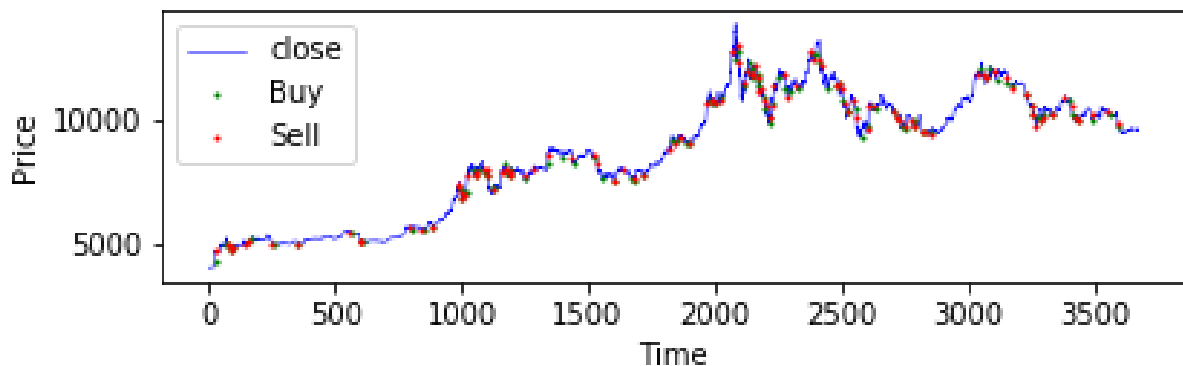
30+
FEATURES

**ML MODEL
FINE-TUNING**

**PREPROCESSED
TRADING DATA**

**5
CRYPTO-
CURRENCIES**

AI trading results - Uptrend market



Hours in observed period: 3566

BTC return for observed period: 309.67%

Closed trades: 112

Risk free rate (2.5% annual): 1.07

Average gain per closed trade: 2.76

Standard deviation of portfolio excess return: 14.34

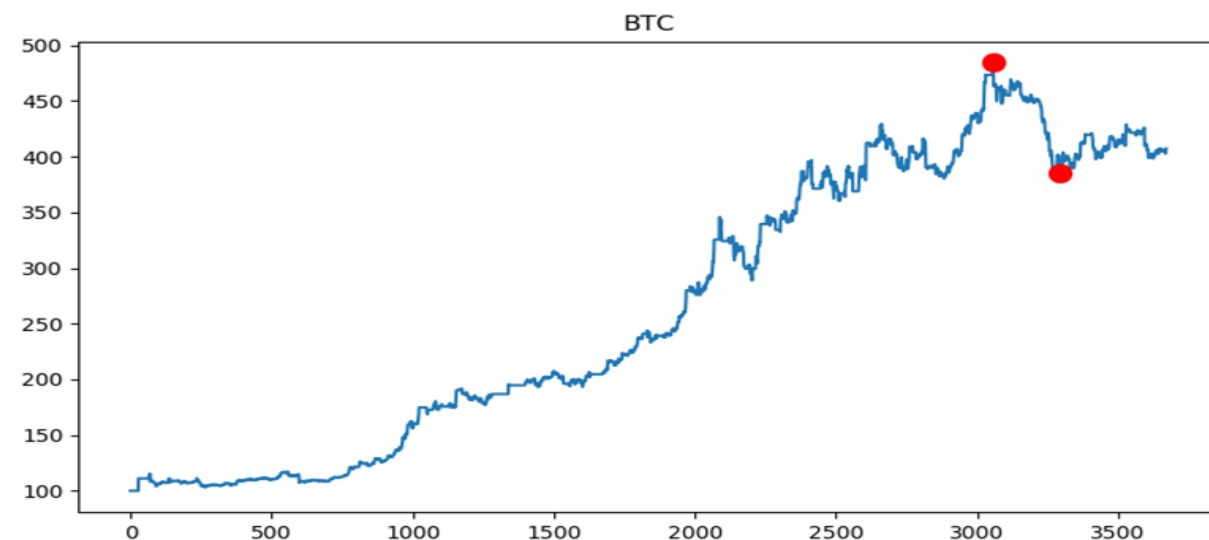
Sharpe ratio (with 2.5% annual risk free): 21.52

Downside standard deviation: 4.35

Sortino ratio (2.5% annual risk free , MAR 0): 70.94

Maximum drawdown: -20.54%

Max drawdown lasted for: 236 hours



Cryptocurrency:



Observation time:

5 months

ROI:

+307.28%

Number of trades:

225

PRIVATE Blockchain as a Service

1. BLOCKCHAIN NETWORK GENERATOR

Configure a Hyperledger Fabric network, its entities and **physical and logical topology** using a simple web form.



Generate and deploy your Hyperledger Fabric blockchain network in couple of clicks:

 Microsoft Azure  Google Cloud



Create deployment-ready **Node.js smart contracts** for Hyperledger Fabric blockchain networks.

2. SMART CONTRACT GENERATOR

3. MARKETPLACE

An open marketplace for **smart contract and blockchain network templates** to help draft your first blockchain solution.

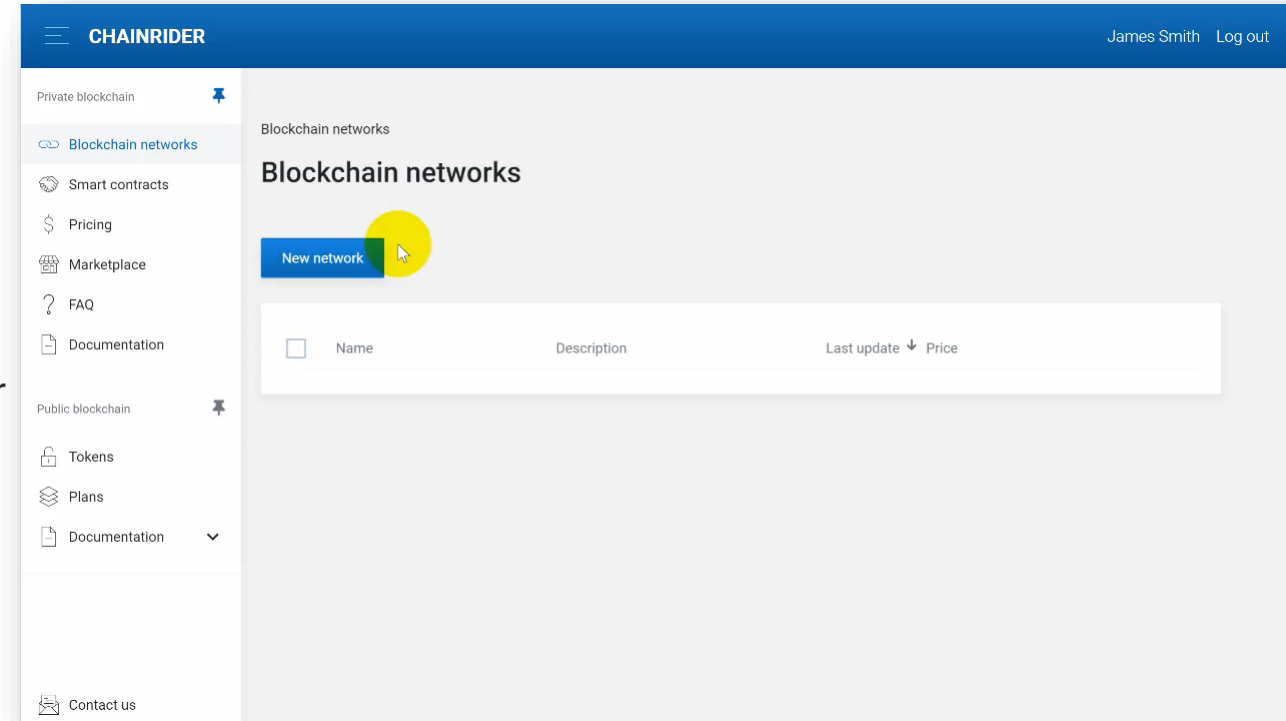


CHAINRIDER

Blockchain network generator

ChainRider network generator can generate complex Hyperledger Fabric networks within minutes.

- ✓ Configure permissioned blockchain in minutes.
- ✓ Deploy blockchain network on premise or on cloud (Google, AWS or Azure).
- ✓ Speed up blockchain network development.
- ✓ Scalable and custom network topologies.



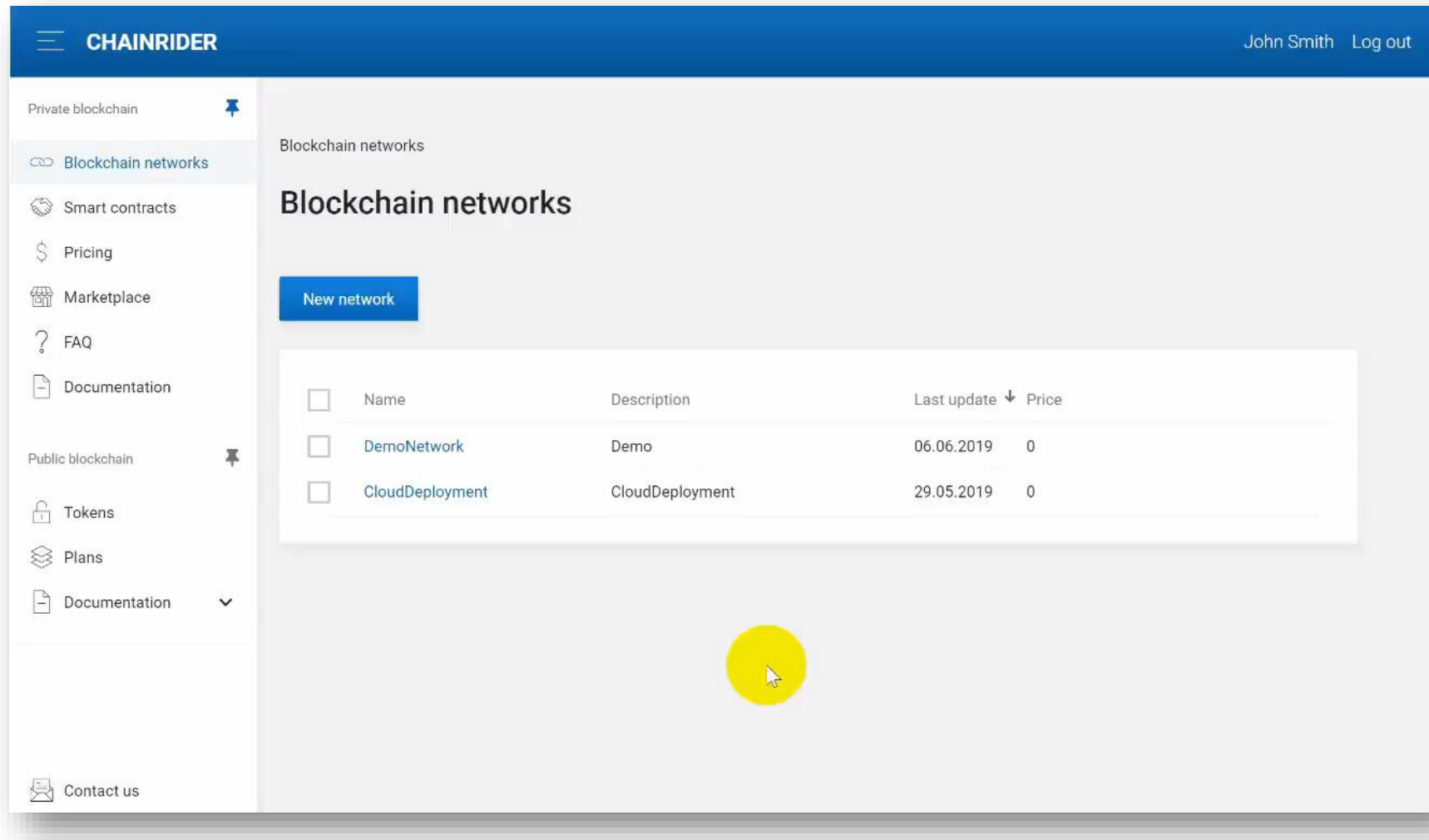
Customize your network:

- Smart Contract database (Level or Couch DB),
- Ordering service (Solo, Kafka, Raft),

- Monitoring and visualization tools (Blockchain Explorer, Graphite network monitoring dashboard),
- Select number of virtual machines and peers



Blockchain network 1-click deployment



- Deploy your previously generated blockchain network configuration to a cloud provider of your choosing (Google, Azure, AWS)
- Blockchain network ready and online in less than 15 minutes



Finished deploying the network? Use our REST APIs to integrate it with you business workflow

The REST APIs are perfectly suited for integration of your applications with the deployed blockchain network. Following is the list of common operations that could be performed using the provided API module:

- Register users
- Install and instantiate smart contracts
- Submit transactions to the blockchain ledger
- Query transactions/blocks/ledger
- Query smart contracts
- Query channels and much more...

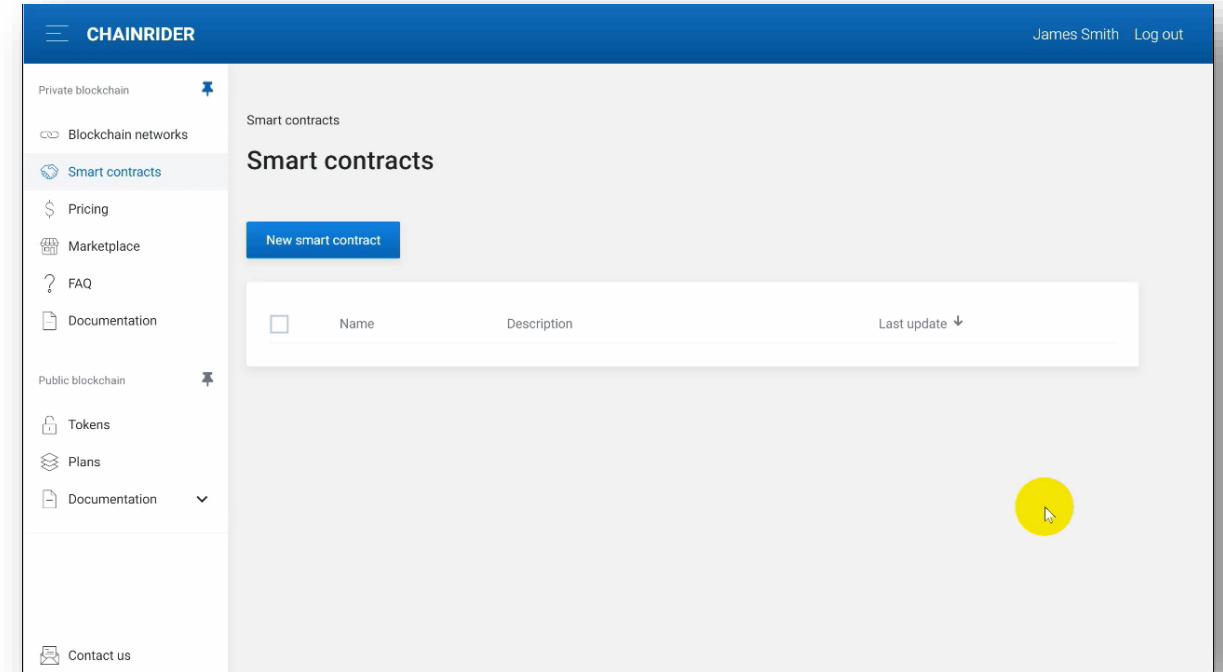
**"Simplified
integration of your
applications with the
blockchain"**



Smart contract generator

HOW DOES IT WORK?

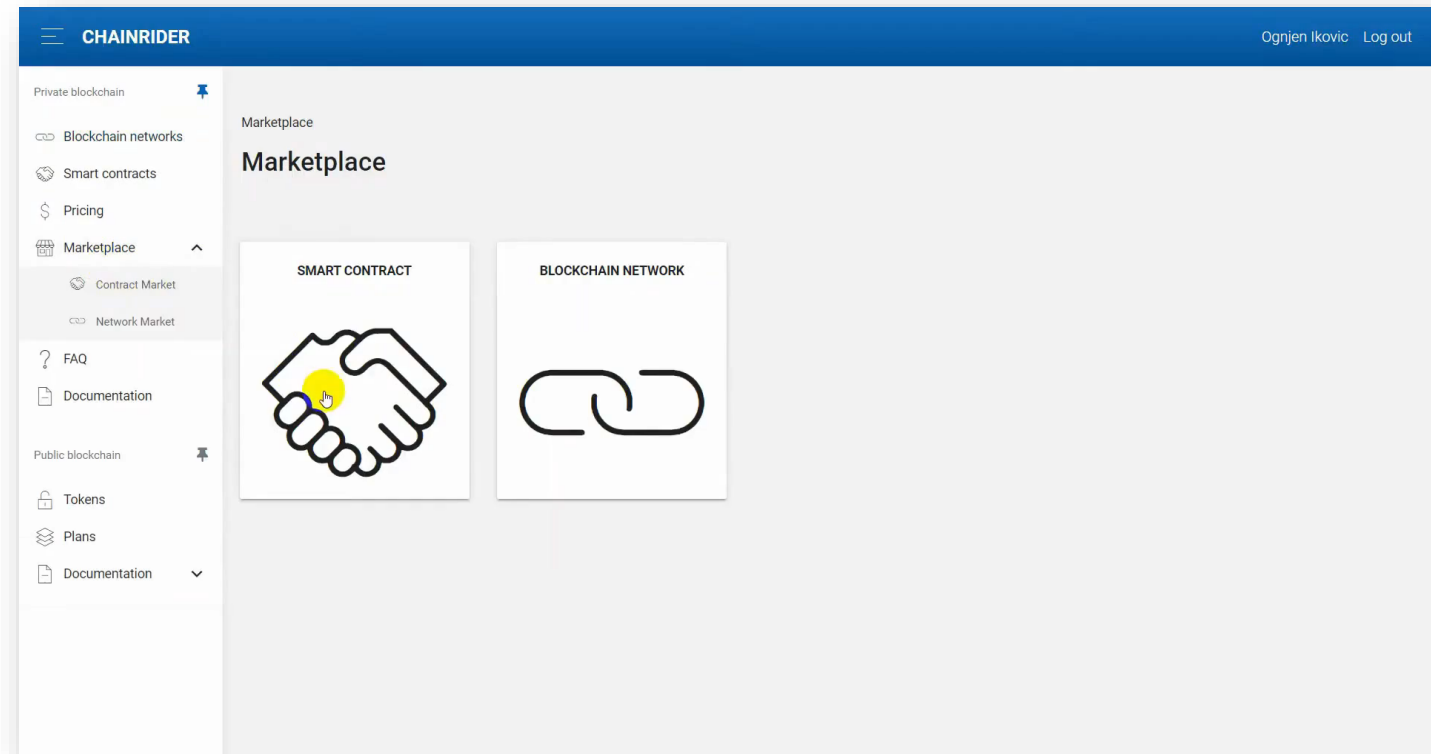
- 1 Generate new smart contract by filling out the simple web form
- 2 Download newly generated smart contract archive and extract it
- 3 Deploy the contract to the blockchain network



- ✓ Speed up smart contract development
- ✓ Compile and test your custom smart contracts prior to deployment



ChainRider Marketplace



Blockchain networks

- ✓ Get started with various Hyperledger Fabric blockchain network templates in several domains: Finance, Logistics, Agriculture.

Smart contracts

- ✓ Add advanced features to your network by purchasing smart contracts from ChainRider's marketplace.

Fast-track Hyperledger Fabric solution prototyping



ChainRider on-boarding

Personal account

- ✓ Suitable for "checking out" ChainRider features in both public and private domains.

Business account

- ✓ Streamline blockchain development in your team.
- ✓ Oversee resource usage.
- ✓ Manage and track monthly costs.

Sign up to ChainRider

Personal

Business

Dev ops management for large scale blockchain projects.
Deployment of fully managed blockchain solutions. Team collaboration.

First name

Last name

Email address

Password



Repeat password



8 characters long. At least 1 capital letter and number.

Company data

Company name

Company website

☐ I accept the [Terms of service](#)

Sign up

ChainRider pricing structure

FREEMIUM
Pay per use

BEGINNER

- ✓ 3 free smart contracts
- ✓ Network generation within free quotas
- ✗ No tech-support
- ✗ Deployments charged separately

1-TIER

ACADEMIC
\$1k-5k/m

R&D

- ✓ Unlimited number of smart contracts
- ✓ Unlimited number of blockchain networks
- ✓ Free access to marketplace
- ✗ Limited tech-support & best effort SLA

2-TIER

BUSINESS
\$700-12k/m

CORPORATE

- ✓ Unlimited number of smart contracts
- ✓ Unlimited number of blockchain networks
- ✓ Free access to marketplace
- ✓ Free tech-support & 99.99% SLA

4-TIER



ChainRider pricing for businesses

PROTOTYPE

\$730.00 / per month

"Suitable for experimenting with small-scale blockchain solution prototypes."

Sign up

MVP

\$2,830.00 / per month

"Best suited for small-to-medium teams and blockchain solutions, with limited blockchain network deployment options."

Sign up

ENTERPRISE

\$5,560.00 / per month

"Build medium and large scale production-ready private and public blockchain solutions with high SLA and monthly technical support hours."

Sign up

FLAGSHIP

\$12,060.00 / per month

"Suitable for large teams and blockchain solutions, with flexible blockchain deployment options and highest SLA and technical support provisioning."

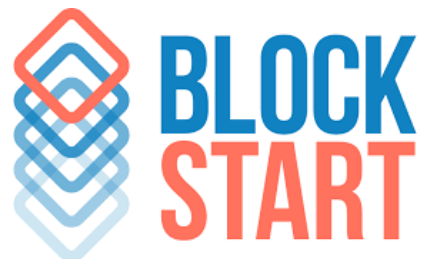
Sign up

Main differentiators

1. API requests limit (public blockchain)
2. Number of created blockchain networks
3. Provisioning scale of cloud resources
4. Tech-support level



CHAINRIDER



- BrightHabitat with ChainRider one of the winners of BlockStart EU H2020 projects as DLT provider
- We are looking for SME adopters of the solution for demo/pilot
- An open call for SMEs open until 30th of June
- If selected, you receive 3000 EUR grant for the demo
- Requirements:
 - SME from EU or associate countries
 - Sign declaration of commitment to increase chance of getting selected with ChainRider for pilot phase

ChainRider use-cases

01



BARTER

- Blockchain assisted real-time transaction execution and repository framework

Payment Gateways

- Multiple ChainRider customers offering their services in exchange for payment in cryptocurrency

Cryptocurrency algorithmic trading

- AI-based recommender system (buy/sell/sit)

FINANCE

02



Interconnect

- Interoperable Solutions Connecting Smart Homes, Buildings and Grids



Electric vehicle mobility

- Blockchain interoperability framework between EV charging platform operators

ENERGY

03



CRAFTS

- ChainRider Blockchain Service for Agrifood, Financial Transactions and Supply Chain management

BEDAS

Blockchain Enabled Doctor Appointment System

ASU BLOCKCHAIN MOC

Provide tools for easier learning of blockchain technology

HACKATHONS

OTHER



CHAINRIDER

Where are we at?

- 500 service subscribers from 44 countries in 1 year
 - 5 paying business customers
 - Partnerships in education:
 - ASU Blockchain Research Lab, Saxion Blockchain Institute, University of Novi Sad, Khalifa University
 - Partnership with Blockchain Core Groups:
 - Dash, NuCypher
 - ChainRider Blockchain as a service is used in 4 European Horizon 2020 projects:
 - Agile IoT, VICINITY, PhasmaFood, Interconnect

5

EU H2020
PROJECTS

Milenko
Tosic
CTO



Stanimir Ilic
CFO

30+ YEARS OF
EXPERIENCE



3

COMMERCIAL
PRODUCTS



2

PATENTS

Sasa Pesic
R&D

15

SCIENTIFIC
PAPERS

Ognjen
Ilovic
CEO

"State of the art service for wider and easier adoption of blockchain technology"

New features

Harvest the full potential of the blockchain

ChainRider offers an ecosystem of tools and services built around public and private blockchain which help you prototype and build proprietary applications on the blockchain in a fast and simple manner.

FREE SIGN UP. FREE QUOTAS.

Sign up

We are dedicated to deliver powerful
tools and services to support the