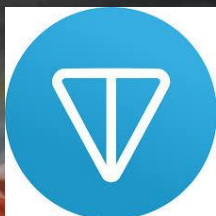
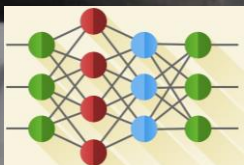




Team "LogicYield"

Decentralized app for parking payments

- Automatic Geolocation and plate OCR (ML)
 - One-purpose-simple-app
 - TON payments in simple real life
- Huge audience of Telegram and car owners





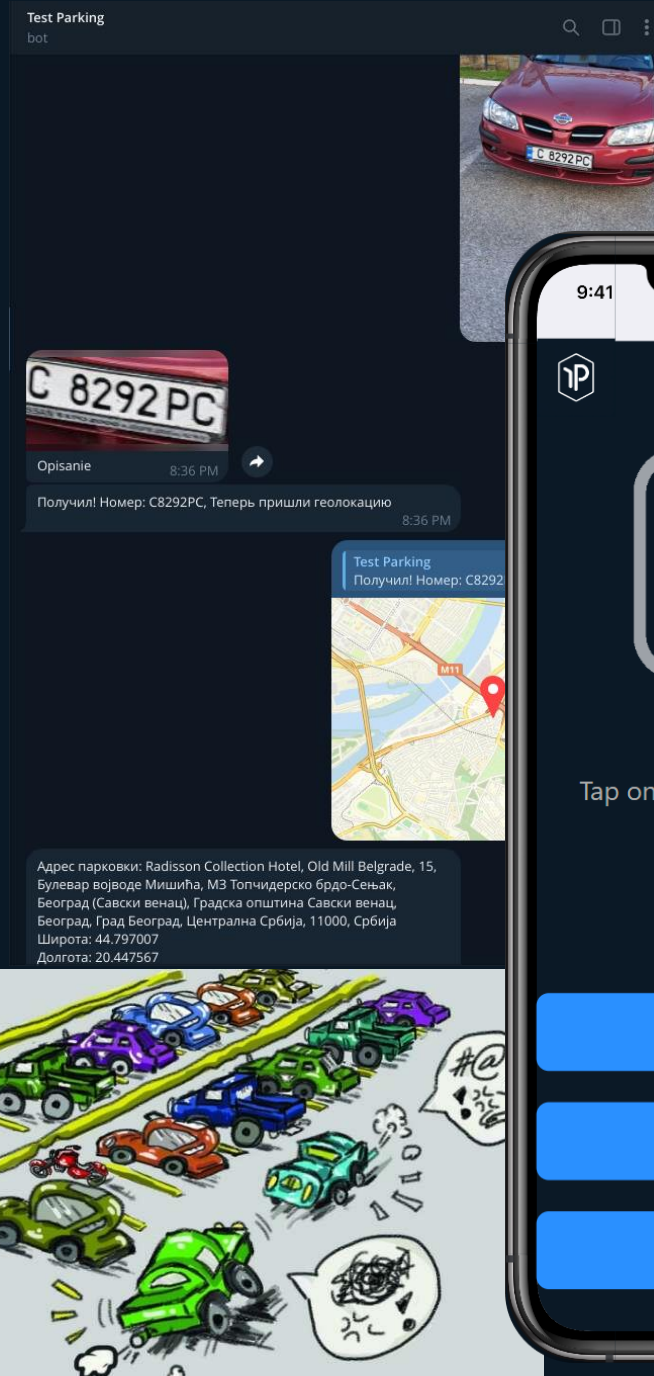
Problem

Finding parking as a traveler = nightmare.

- Fumbling with cash
- Strange plate numbers
- Deciphering confusing meter systems
- Worrying about SMS parking confirmation codes or other payments
- Foreign language, etc

But we have a solution!

- No more cash or confusing codes
- Stress-free parking meters
- Travel with confidence
- Be part of society, your helps matter!





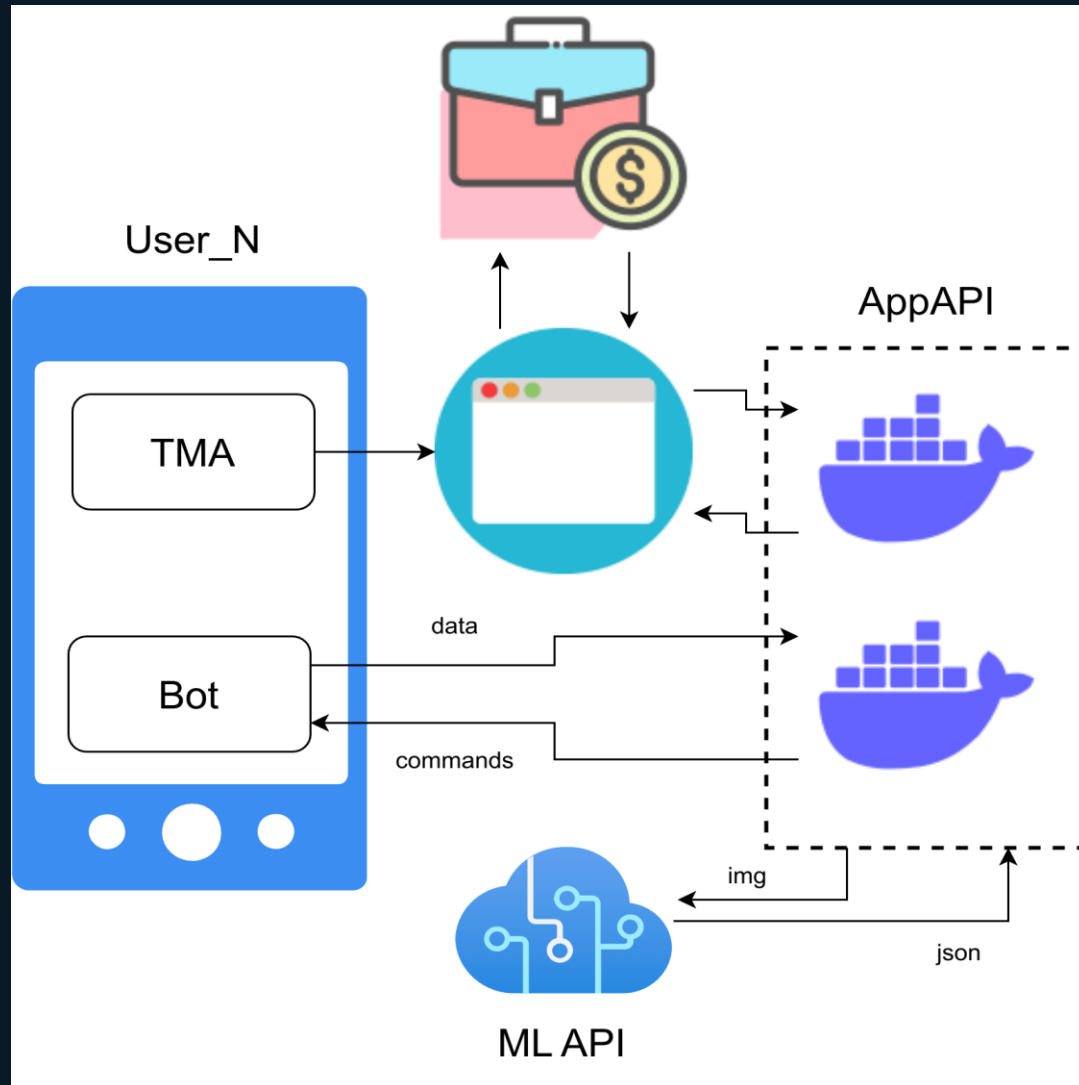
Proposed solution

Done:

- Telegram bot with main functionality
- Initial Web UX design
- ML model for plate detection (FPN, can CPU)
- ML model for plate OCR (CRNN based, can CPU)
- [ML service with FastAPI](#)
- Python backend for bot
- Initial market analyses

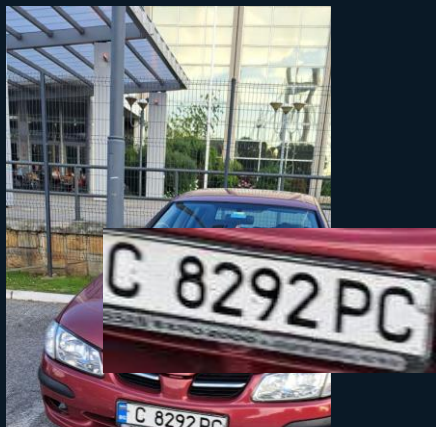
TO DO:

- Implement TMA, based on the developed design
- Create TMA backend
- Separate backends in dockers
- Add PostgreSQL database
- Set payments in TON



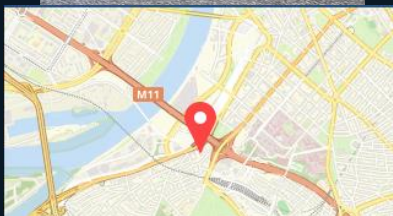


Examples



Получил! Номер: C8292PC, Теперь пришли геолокацию

8:



Адрес парковки: Radisson Collection Hotel, Old Mill Belgrade, 15, Булевар војводе Мишића, МЗ Топчидерско брдо-Сењак, Београд (Савски венац), Градска општина Савски венац, Београд, Град Београд, Централна Србија, 11000, Србија
Широта: 44.797007
Долгота: 20.447567
Правильно?

8:37 PM



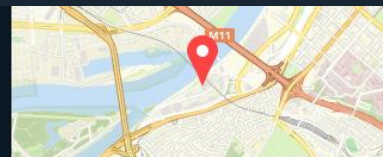
Opisane

2:41 PM



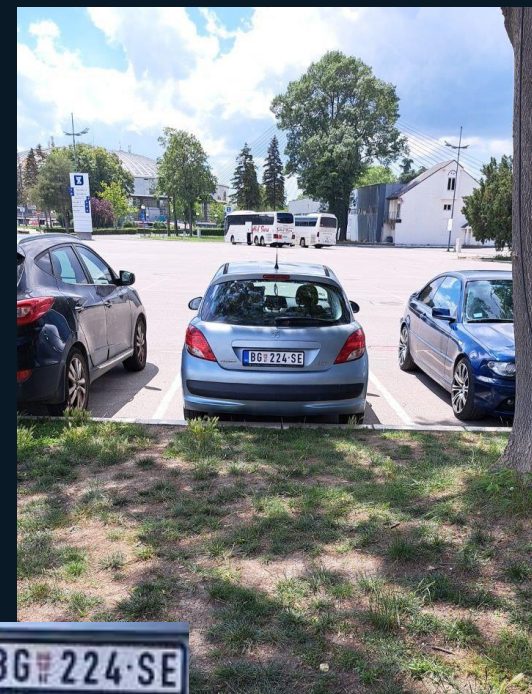
Получил! Номер: M511BY777, Теперь пришли геолокацию

2:41 PM



Адрес парковки: Булевар војводе Мишића, МЗ Топчидерско брдо-Сењак, Београд (Савски венац), Градска општина Савски венац, Београд, Град Београд, Централна Србија, 11000, Србија
Широта: 44.797761
Долгота: 20.437667
Правильно?

5:46 PM



Получил! Номер: BG224SE, Теперь пришли геолокацию





Targets and markets

Our clients:

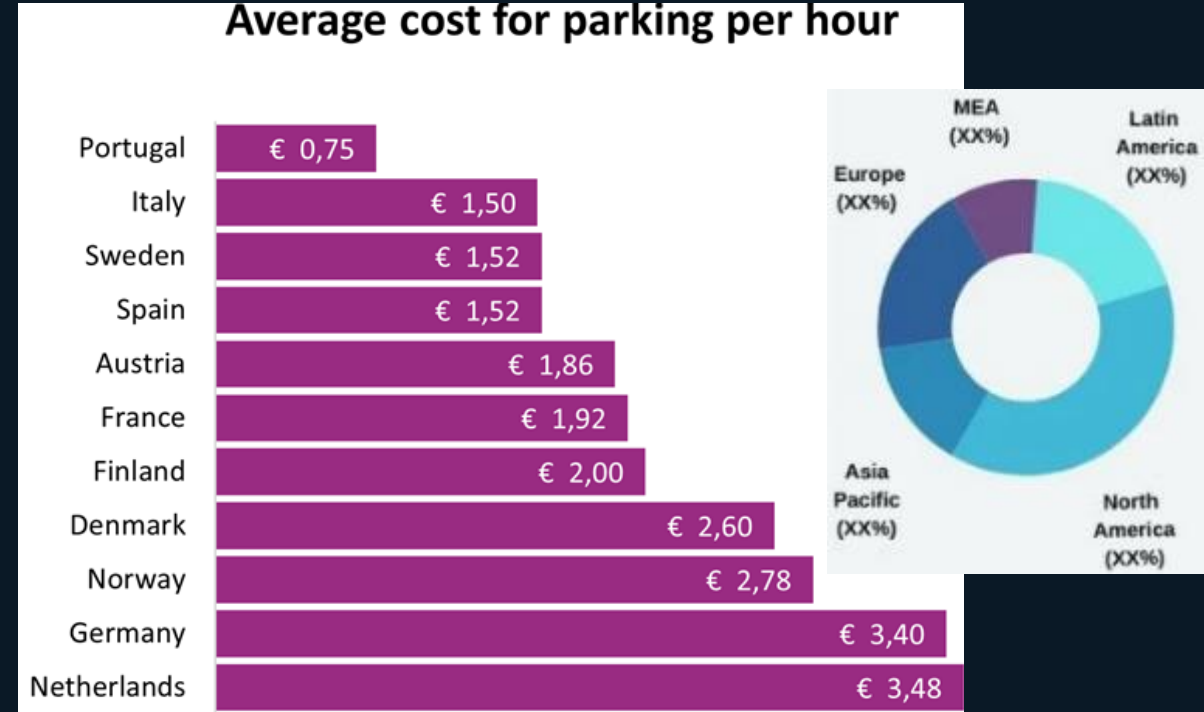
- Drivers (frequent drivers, professionals, and visitors)
- Travelers and Non-Local People (tourists, business travelers, relocants)
- People Who Value Efficiency and Convenience.

Moreover:

- Age groups most comfortable with smartphones (typically 14-60)
- People who readily adopt new technology and mobile solutions
- Specific Needs (drivers with disabilities or those requiring accessible parking options)

Market:

- About 11 billion USD from parking in 2023 worldwide
- Constantly grows on 7.4 % APY.
- North America, Europe, Latin America – top 3 markets
- On-Street and Off-street parking equally distributed



Sources:

- <https://finance.yahoo.com/>
- [Easyparking](#)
- [euronews](#)



Competitors

Name	Our sol.	<u>Softpark</u>	<u>Passport Parking</u>	<u>Blinkay</u>	<u>ElParking</u>	<u>ParkMate</u>	<u>Parking Tbilisi</u>	<u>EasyPark</u>	<u>Moscow transport</u>
Dow-s	-	10K	1M	500K	1M	100K	100K	100M	1M
Rating	-	4.7	-	-	-	-	-	4.5	-
Market	Decentra lized	BG	US	US	SP	NZ	GR	EU (20+)	RU
Last update	02.06.24	31.03.24	08.08.23	16.05.24	08.05.24	24.05.24	02.05.24	19.05.24	16.04.24
Technology	P2P	SMS	Self zones	Self zones	Self API	Self API	-	self API	gov API
Free spaces	-	+	+	+	+	-	-	-	+
Navigation	-	+	+	+	+	+	-	+	+
Notific-n	+	+	+	+	+	+	+	+	+
Fee, USD	< 0.3	-	0.35	-	-	0.50	-	-	0

- Most applications are complex. We offer a simple application: park by yourself – open telegram – 3 click –forget about parking
- We can operate in “unpopular markets” in small countries or distant locations – it’s up to you!



Features and TON

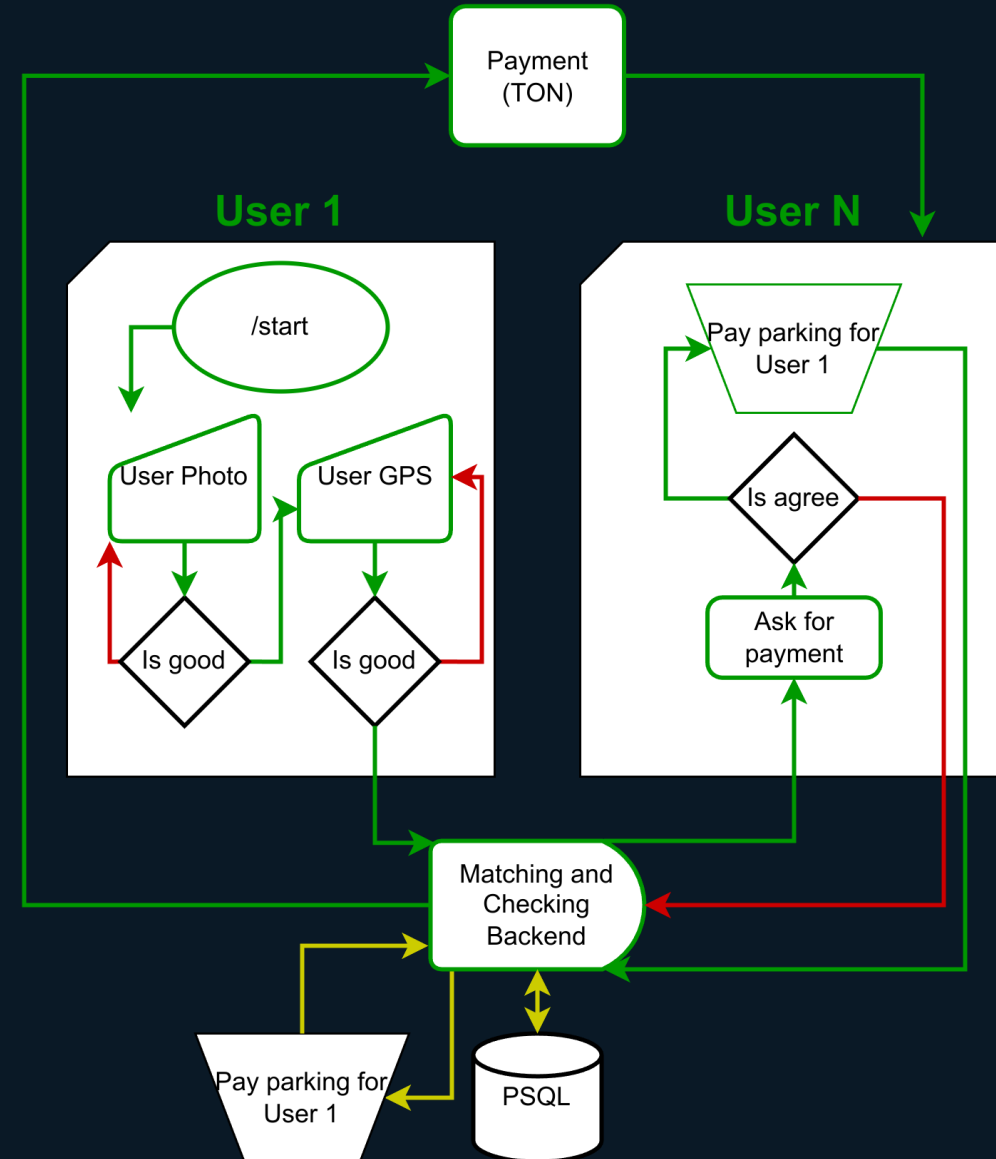
With TON we fix biggest parking problem – local differences:

- Local users fix local parking problems
- You need just 2 click in TMA – ML do the job
- If you prefer security, backend can process payment

Other features:

- Our **commission are tips** – from 0 (if we launch marketing) to 10 % according to you feelings
- We collect free anonymized data about parking to be more B2B friendly
- Return address in native language

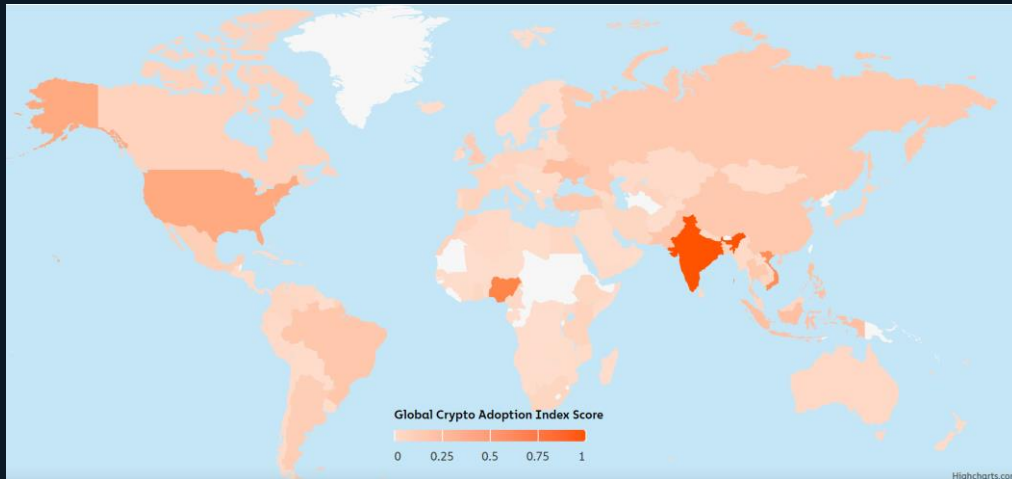
With ML and TON we can achieve decentralization in physical world and make people sense it!



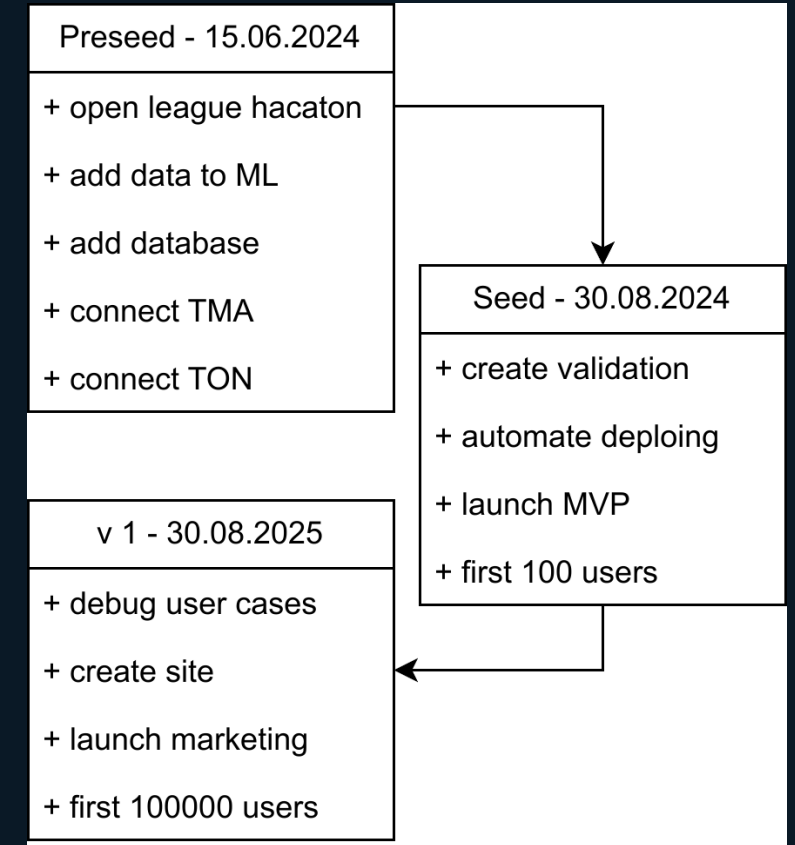


Business model and forecast

- **Transaction Tips:** a small percentage taken from each parking transaction.
- **Subscription Model:** can offer premium features like reserved parking spots or extended parking duration for a monthly fee.
- **Data Insights:** sell anonymized parking usage data to businesses for parking management optimization. (This could be called "Parking Data Analytics" or "Smart Parking Solutions")



Source: <https://www.chainalysis.com/blog/2023-global-crypto-adoption-index/>



Risks:

- Small team: medium. Deal with decentralized app structure and delegate responsibilities
- The difficulty of communicating with parking lot owners and government officials: high. Find a skilled marketer and explore markets that have a high acceptance of crypto payments.



Team - We are family guys from small startup “LogicYield”

Here on hackathon:

- ***Dmitrii Lunovikov***, PhD - Lead developer and technical director of the project. PhD in engineering, expertise in ML modeling, API services and developing applications.
- ***Liza Lunovidova*** - master's degree in technical systems management. Frontend developer and designer. Mastering TON blockchain and frontend with it.

Members of “LogicYield” to plug and play:

- ***Evgenii Dukow*** – backend and DB developer. Expertise in integrating geolocation and time series data as well as payment APIs and secure data handling practices.
- ***Veronika Khasanova*** – sales manager & market analyst. Leveraging market research and understanding of customer needs, Vero spearheads the LogicYield sales team, driving revenue growth and market penetration.



We are glad invite you to our team, if you can help us with global market analysis or have an experience with both frontend and TON-blockchain



If you have any questions,
please contact us in any of
the following ways:

Thanks guys and gals!



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+79611121089



https://t.me/dm_dimyun