

# ON THE BLOCK

Ethereum Smart Contract & Decentralized  
Application for Rental Contracts

Final Presentation

Group 5

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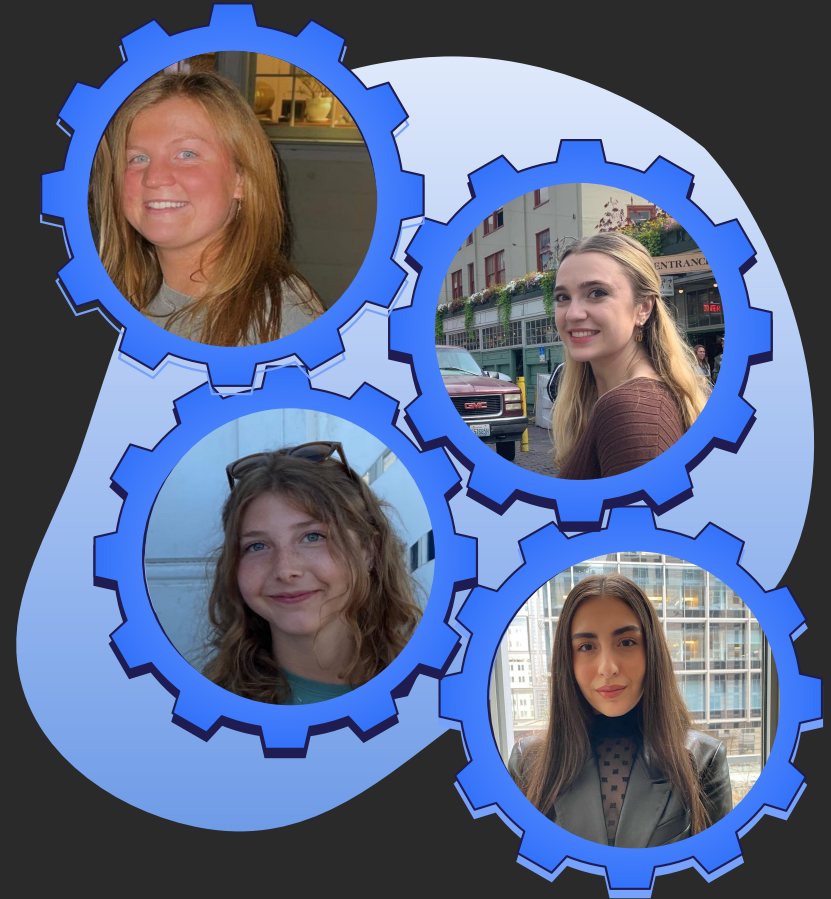
# OUR TEAM

Katie Bramlett

Genevieve Flynn

Claire Furtick

Ada Kilic



# Get **SMART** with your rental contracts.



## PROBLEM

Real-world rental contracts often go through a third party intermediary to exchange payment from the tenant to the landlord, which leaves room for **error** with **safety**, **security**, and **fairness**.



## SOLUTION

Landlords and tenants will be guaranteed a **quick, safe, and fair contract** through On The Block.

# ON THE BLOCK



**On the Block**, our Ethereum-based decentralized application, is a streamlined payment portal which can be used to set up timely rental payments.

# FEATURES



**Start New Rental  
Contracts**



**Check Existing  
Rental Contracts**

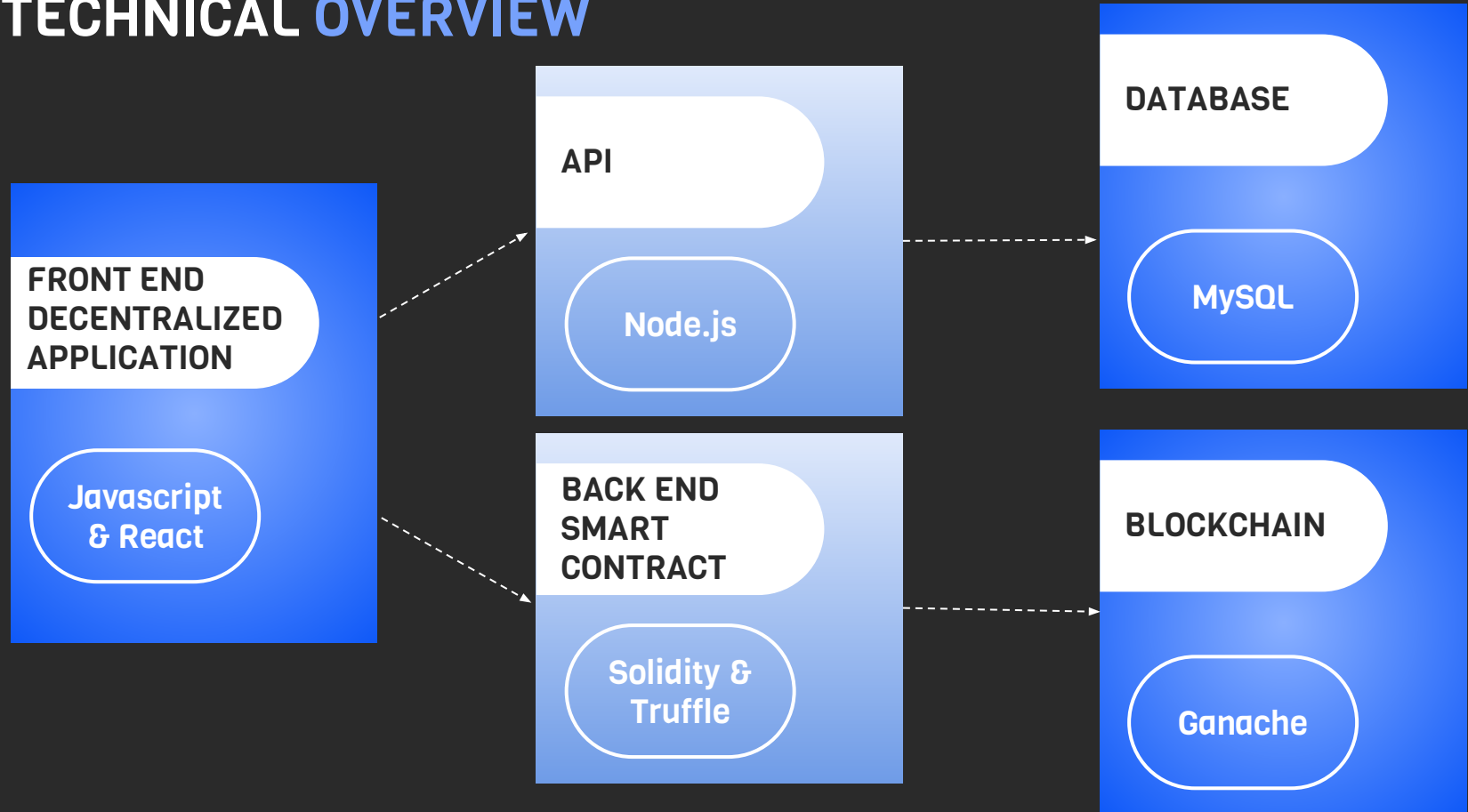


**Terminate Existing  
Rental Contracts**



**Get Helpful  
Notifications**

# TECHNICAL OVERVIEW



# CONTRACT WORKFLOW

**1** Landlord starts the contract

**2** Contract waiting tenant's approval

**3** Tenant receives an alert of a pending contract

**4** Tenant views the pending contract

**5** Tenant **denies**:  
Contract is set to terminated

**6** Tenant **accepts**:  
Both parties can see it on their Contracts page as active

**7** Either party can terminate the contract and it is set to terminated



# VIDEO DEMO





# BENEFITS

## Traceability

Audit trail is recorded each time a transaction takes place.



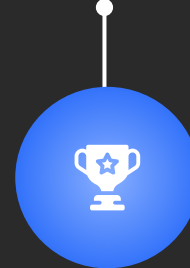
## Security

More secure due to its decentralized structure and immutable ledger.



## Efficiency

Eliminates traditional time-consuming processes prone to human error.



## Time & Cost Savings

Eliminate the need for intermediaries; completed faster and cheaper.



## Transparency

Distributed ledger; transactions and data are recorded identically in multiple locations.



## Accuracy & Fairness

No need for a centralized authority; "trustless network".



## GROWING DEMAND



Fueled by heightened demand for blockchain technology, the global Smart Contracts market size is projected to reach **USD 345.4 Million by 2026**, from USD 106.7 Million in 2019, at a **Compound Annual Growth Rate of 18.1%** during the forecast period 2021–2026.

# IN CONCLUSION



It's easier than ever before to integrate blockchain technology with user friendly applications.

This applies beyond just **On The Block!** There are endless possibilities of where our technology could be used beyond rental agreements.

Get **SMART** with your rental contracts.

Visit **ON THE BLOCK** today!

Thanks! **QUESTIONS?**

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