



PostgreSQL

Database holding user-data, algorithm-data, and order history. Automatically generates views for fast data-calls.



Exchange API

Binance API (Rest and Websocket) to place orders, get account balance,...



Rust server

- HTTP server
- Websocket server
- API
- Handling algorithms
- Executing algorithms
- Makes calls to exchange-API

Add/retrieve data of algorithms and API-keys based on session token.

Rest-API & Websocket



Pyexecutor

Microservice to execute the Python scripts containing the algorithms. Executed as a separate process to include OS-level security.

Rust server spawns process for each algorithm. IPC (shared memory + unix socket)



NodeJS webserver

- Rendering views
- User authentication
- Control panel
- Session management
- Makes calls to Rust-server

Send requests to Rust server with session token

HTTP & Websocket

Browser

Authenticates



Client

Save user data + session token of user in database.