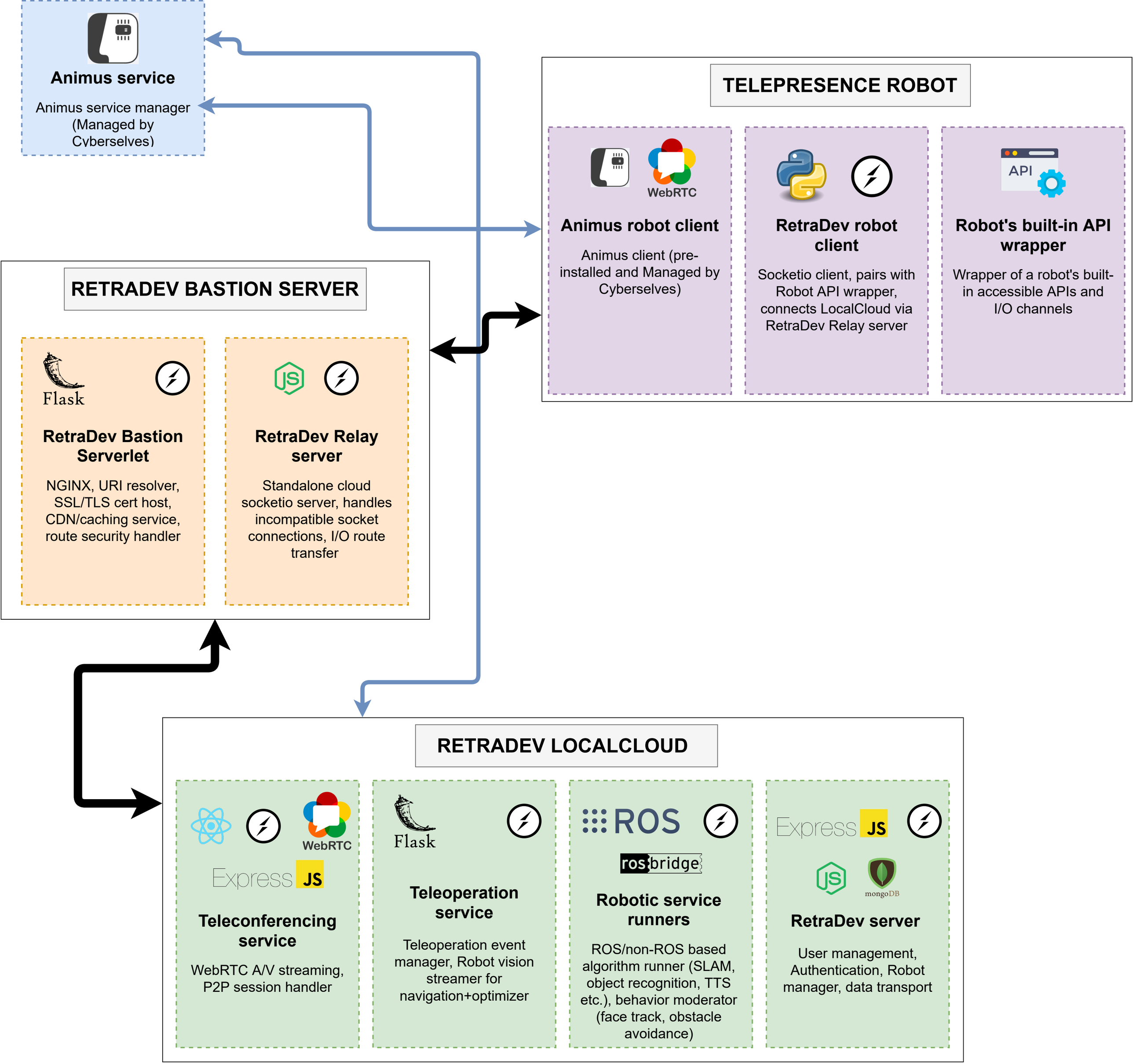
Animus service
Animus service manager (Managed by Cyberselves)
TELEPRESENCE ROBOT
WebRTC
Animus robot client
Animus client (pre-installed and Managed by Cyberselves)
RetraDev robot client
Socketio client, pairs with Robot API wrapper, connects LocalCloud via RetraDev Relay server
API
Robot's built-in API wrapper
Wrapper of a robot's built-in accessible APIs and I/O channels
RETRADEV BASTION SERVER
Flask
RetraDev Bastion Serverlet
NGINX, URI resolver, SSL/TLS cert host, CDN/caching service, route security handler
RetraDev Relay server
Standalone cloud socketio server, handles incompatible socket connections, I/O route transfer
RETRADEV LOCALCLOUD
WebRTC
Express JS
Teleconferencing service
WebRTC A/V streaming, P2P session handler
Flask
Teleoperation service
Teleoperation event manager, Robot vision streamer for navigation+optimizer
ROS
rosbridge
Robotic service runners
ROS/non-ROS based algorithm runner (SLAM, object recognition, TTS etc.), behavior moderator (face track, obstacle avoidance)
Express JS
mongoDB
RetraDev server
User management, Authentication, Robot manager, data transport