#### Software Architecture

Multiple systems are required to communicate between user smartphone and RFID or similar hardware chip via secure protocol of near field data transfer.

Smartphone applications

* Chip managing public keys and storage software
* Authorized Reader software
* Unauthorized Reader software
* Authorized Biometrics Reader software

Verification Protocol – proofs

* Layer of storing personal metadata
* Layer of searching database with personal metadata – exposed to public
* Software to combine different sources of metadata (facial recognition/fingerprint/DNA,…)