JENS NEUHALFEN

User	Salary	...
Alice		...
Eve		...
...	...	...

2,718 €

DATA INTEGRITY & ASSOCIATION

SLEEP BETTER WITH CONTENT ENCRYPTION

EVE GETS AN INSTANT PROMOTION

0X123456...

3,141€

Problem: Sensitive data can be manipulated.

DATA INTEGRITY & ASSOCIATION

`0X123456...` ✔

Problem: Sensitive data can be manipulated.

User	Salary	...
🧍 Alice	3,141€	...
🧍 Eve	10,000 €	...
...		...

EVE GETS AN INSTANT PROMOTION

DATA INTEGRITY & ASSOCIATION

0X123456… ✔

Problem: Sensitive data can be manipulated.
Solution: Use cryptographic checksums with a secret.

User	Salary	Checksum*
Alice	3,141€	0x4711…
Eve	2,718 €	0xabcd…
…	…	…

* Checksum with a secret: hmac, AEAD, public key signatures