

IoT: Client Devices

Securing your Application

Yes, you.

SECURING KERNELS, OS

- ▶ You're responsible for this
- ▶ You don't have much control

You have total control over **YOUR** software.

Know Typical Flaws

KNOW TYPICAL SOFTWARE FLAWS

- ▶ C: buffer overflows, integer underflows, bad coding, etc.
- ▶ Web: encryption, authentication, authorization, etc.

KNOW RESOURCES

- ▶ C secure programming standard
- ▶ SANS top 20
- ▶ OWASP secure programming practices

Red Teams & Pentest

CODE REVIEWS

- Review code with development colleagues

RED TEAMS

- Have adversarial design and code reviews

ATTACK!

- Penetration test the final product

Don't DYI

OTHER EYES == BETTER

- ▶ Find others to review your code
- ▶ Other organizations to red team and pentest

STUDY SECURE CODING

- ▶ It's not hard, you just need to do it!