IoT: Client Devices

Personal Development Process

What is a Personal Process?

SO YOU NEED A REPEATABLE WAY TO CODE

- ‣ What do you set up first?
- ‣ How do you design makefiles?
- ‣ How do you generally structure your code?
- ‣ Do you prototype then insert into a production project?
- ‣ Do you use unit tests?
- ‣ How do you test the system?
- ‣ How do you deliver the developed product?

Why is it Important?

SPEED

‣ Develop faster; don't repeatedly solve the same problems

‣ Understanding your process allows you to develop faster

QUALITY

‣ Established process leads to higher quality code

REPEATABILITY

‣ Allows you to repeat and improve

Are you talking about PSP?

PERSONAL SOFTWARE PROCESS

‣ This is not that

‣ PSP is a more dictatorial process

‣ If you want to adopt this, that's okay

YOUR PROCESS SHOULD BE YOURS

‣ You should understand it clearly

‣ It should be second nature

An Example

‣ When you start a project, start from a template that includes certain files

‣ Each function is defined in a single file

‣ Each file has an associated unit test

‣ Applications consist of discrete libraries, the main function is as simple as possible

‣ Automated unit tests run against the repository every night

‣ Automated builds run tests and deploy software to test environment

…and so on.