



Marcus Johnson



NATIONAL INSTRUMENTS

LabVIEW™

Certified Architect

< symbio >





Software Engineering For Industrial Systems

Code Modules & Design Patterns



**MY VISION IS TO MAKE LabVIEW
'THE GOOGLE EARTH OF YOUR
DEVELOPMENT PROJECTS'
LETTING YOU GO FROM HIGH LEVEL
VIEWS DOWN TO FINE DETAILS
- JEFF K.**

Code Modules & Design Patterns

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Custom Protocol
TCP / UDP

< demo code >

FPGA States Watchdogs

< demo code >

Parallel processes Status LEDs

v demo code >

Errors in loops

< demo code >

MY VISION IS TO MAKE LUDOVIC
"THE GOOGLE EARTH OF FARM
DEVELOPMENT PROJECTS"
LETTING YOU GO FROM HIGH LEVEL
VIEWS DOWN TO FINE DETAILS.
- JEFF K.

RECAP FROM EARLIER

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Start Solid
Training

System Design

IPNet

Design Patterns

Develop Wisely

Source Code Control

Modularizing SubVIs

Finish Strong

Testing Processes

Unit Testing

Communication

Custom Protocol
TCP / UDP

< demo code >

Machine Safety

FPGA States
Watchdogs

< demo code >

Execution Control

Parallel processes

Status LEDs

< demo code >

Error Handling

Errors in loops
Logging

< demo code >



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