

A PROGRAMMER'S VIEW

HIGH LEVEL

JAVASCRIPT, HTML/CSS, RUBY

JAVA, PYTHON, GO, SWIFT

C++, C#, RUST, FORTRAN

C

LOW LEVEL

ASSEMBLY / MACHINE CODE

010100100 – Bits & Bytes

APPLICATION PROGRAMS,
LIBRARIES, LANGUAGE
RUNTIMES, COMPILERS AND
TOOLS

OPERATING SYSTEM
[+ OPTIONAL HYPERVISOR]

SOFTWARE

CPU

MEMORY

I/O
DEVICES

BUILT IN PHYSICAL PIECES —
BAKED ABILITY TO RUN
“SOFTWARE”
HARDWARE