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## ARCHITECTURAL REUSE

The Hagia Sophia (top), built in Istanbul in the sixth century, pioneered the use of structures called pendentives to support its enormous dome, and is an example of beauty in Byzantine architecture. Christopher Wren, 1,100 years later, used the same design for the dome of St. Paul's cathedral (bottom), a London landmark. Both still stand and are used today.



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On major software projects, there are often many architects. Some architects are quite specialized in disciplines, such as databases and networks, and usually work as part of a team, but for now we will write as if there were only one.

### **What Constitutes a Software Architecture?**

It is a mistake to think of “an architecture” as if it were a simple entity that could be described by a single document or drawing. Architects must make many design decisions. To be useful, these decisions must be documented so that they can be reviewed, discussed, modified, and