Architecting Successful Enterprise Systems

See how sophisticated code generators can turn the job of architecting new enterprise systems into re-architecting existing ones.

Architects have the job of devising application structural design, determining the application framework, and choosing a standard way of pursuing application development. Software architecting is a difficult job, because architects have to deal with the unknown. They have to create complicated data schemas to plan out the entire enterprise application. There are no shortcuts to do this, but many tools are available. Expensive software is used to generate architectural models and database designs, to communicate the architect's ideas. However, this still requires the architect to come up with those ideas in the first place.

Coming up with a brand new architectural model is very difficult. It is so much simpler to re-architect an existing legacy system. The unknown is vastly reduced. Sophisticated code generators help you manufacture such legacy systems in no time.

Imagine that you were put in charge of a project to create a customers and orders management enterprise system. You would have to create a way to organize customers, addresses, orders, products, suppliers, among others. The field sales people need to create orders offline and later synchronize with the online database. This will need a complicated architectural plan to implement, and the developers need direction. At some point in the architectural process, you will have a database built according to the project requirements. Point an advanced code generator, such as Code OnTime, to your database, and hit run. Soon, the code generator will create a web-only enterprise management system. From this prototype, you can see which components have to be customized and have a clearer vision of your application. This will turn the job of designing a brand new architecture into just re-architecting an existing product. Creating an application using a prototype is much easier than creating one completely from scratch.

Using a code generator has many other benefits. As well as being a good benchmark and prototype, the generated web application provides a lot of necessary boilerplate code, which the developers can use. While the code doesn't have to be used in the end product, parts from it may be borrowed. You can always decide to use the generated code as a foundation, and build on top of it.

Additionally, if the code generator is using a cutting-edge technology then you can see an application of such technology implementing your requirements. The generated code will showcase the newest trends in software development.

Code OnTime LLC
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