Dynamic Object Language Labs

Object Oriented Consulting Services

27 September 1995

Dynamic Object Language Labs (DOLL), which was incorporated in 1993, is dedicated to assisting companies succeed at utilizing object oriented technology to help achieve their organization's goals. We offer both products and services in support of this goal. Our first development tool product, Yolambda, is an advanced, dynamic, object oriented language whose great power and simplicity make both learning and using this tool easy and highly productive. The first version of

Yolambda is now available running under OS/2. DOLL is also working on object oriented class libraries, to increase the productivity and effectiveness of both Yolambda and C++ developers. Among the Yolambda class libraries are interfaces to common databases such as Sybase and Lotus Notes. Among the C++ libraries are rule-based inference engines, and image processing software. The first version of the C++ inference engine class libraries is now available on Sun Sparcstations running SunOS. DOLL also is working in partnership with Franz, Inc. to provide the Common Lisp Interface Manager (CLIM) on Franz's Allegro Common Lisp for Windows.

Our contract and consulting services are also based on our object oriented convictions; we provide consulting and contract services in the areas of:

- Object Oriented programs and systems
- Application and systems development using C++, Smalltalk, Yolambda and other Object Oriented Programming Languages
- Distributed computing environments, including networking, distributed data management, OMG's CORBA.

We have significant experience in developing both systems and application code for OS/2, Notes, DOS, Windows, Windows NT, Genera and Unix. One of our specialties is in the use of object technology to interface between diverse data sources and clients. Included in this area is work with CORBA and OLE object integration technology, and use of Notes databases for management of Meta-Information.

DOLL is a Lotus Notes Business Partner, and provides help with planning and setting up a transition to Notes, on-site training, and Notes application development. We also provide assistance with integrating Notes into your distributed computing environment. DOLL has developed tools for linking Notes to traditional systems, including Client/Server databases and critical applications.

A customer success story

A large HMO needed to convert data from a legacy database to a new Sybase system, while continuing to use both systems in parallel. To assist them with this problem: DOLL designed a rule-based data conversion tool, with rules defining the appropriate way to convert data from one database to another. To manage data conversion, DOLL used its advanced, object oriented tools to interface to both client/server databases and Notes. Information about conversions and the business processes surrounding the conversion effort were automatically generated and stored in Notes databases.

Changes in where and how data was stored made tracking the data difficult for the customer's analysts. DOLL responded by using its object oriented tools to supply a Notes based data dictionary.

A separate effort for the same customer involved development of tools to download and upload data from a client workstation to a mainframe running DB2.

Facilities and Personnel

DOLL's main offices are in Andover Massachusetts, with a network of IBM and Apple MacIntosh personal computers, and Sun and Symbolics workstations. Most software development at DOLL is done on and for personal computers or workstations running Unix, Genera, OS/2, Windows NT and Windows 3.1.

The key personnel at DOLL are Paul Robertson and Robert Laddaga. In addition to DOLL employees, on larger projects DOLL utilizes a number of independent consultants based in Massachusetts, and around the country.

Mr. Robertson, currently Chief Technical Officer of Dynamic Object Language Labs, has worked for over 15 years in the areas of system design and implementation, object oriented programming, artificial intelligence, cognitive science, and programming language design and implementation. He has managed significant software and hardware development projects, and conducted research in computer science and Artificial Intelligence. He has written numerous full, production quality compilers, and been a principal contributor in several large software development projects. He has also published on a number of topics.

Robert Laddaga, currently President of Dynamic Object Language Labs, has over 19 years of experience in system design and implementation, artificial intelligence, and programming language design and implementation. He has managed both small and large scale software development projects, and conducted research in computer science, cognitive psychology and cognitive science. He has been a principal contributor in software development projects including both systems and application software. He has also published on a number of topics.

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Consulting and Contract Rate Sheet

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Consulting contracts are on a time and materials basis, unless other arrangements have been negotiated. Fixed price contracts are a possibility, but are not generally recommended. Travel and expenses are charges above and beyond consulting and contract rates. The volume discount for greater than twenty days, applies only to single purchase orders for at least that many days. The discount does not apply to cumulative purchasing.

Daily rate, 1 to 20 days \$ 1000

Daily rate, more than 20 days \$ 850

Payment terms are Net 30.