Dynamic Object Language Labs

C++ Object Oriented Programming Consulting Services

29 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 have significant expertise in C++, as well as other object oriented programming languages. Our C++ consulting and external work is often related to object communication and interchange using the following protocols:

- CORBA - Common Object Request Broker

- SOM & DSOM - (Distributed) System Object Model

- Opendoc

- OLE - Object linking and embedding.

We have developed, under contract, signifcant software systems and applications, using the C++ programming language, including:

- several programming language implementations,
- imaging class libraries,
- an object oriented database,
- a battle damage assessment application,
- Motif based application GUI's,
- several database browser applications,
- several expert system shells (tools for developers of expert systems).

We have also ported software from other object oriented programming languages (such as Common Lisp) to C++, including:

- libraries for graphical display of abstract trees,
- inference engine application,
- image processing application,
- options trading application.

The DOLL C++ programming group is not only knowledgeable about C++, they also have a deep understanding of Object Oriented programming methodology, and how to really derive the benefits of code reuse, maintainability and extensibility that object oriented programming promises. Such understanding is not common among C++ programmers.

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.

Paul 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

Revised 11 March 1994

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.