



Description of Services

Code Labs

<http://www.codelabs.com>

Q1, 2002

Rev 1.2

DATA SYSTEMS DEVELOPMENT SERVICES.....	2
RESEARCH SERVICES FOR IT MANAGERS AND EXECUTIVES.....	3
PRODUCTION ENHANCEMENTS AND OPERATIONS SUPPORT	4
UNSUPPORTED SERVICES	5
RATES.....	5
PLATFORM AND LICENSED TOOLS.....	6
CONTACTING CODE LABS.....	7

DATA SYSTEMS DEVELOPMENT SERVICES

Design, development and implementation of data models and computer code to specifications;
Related testing and debugging.

DEVELOPMENT SERVICE	Description
Logical Data Modeling and Database Design	Design of a logical data model suitable for implementation on an RDBMS. Includes Entity-Relationship design, documentation.
Physical Data Modeling	<p>Implementation of a logical data model on a supported RDBMS platform. Includes schema definition scripts, stored procedure code, and documentation.</p> <p>SUPPORTED RDBMS PLATFORMS</p> <p>Code Labs' physical data modeling service supports implementation of a logical data model on the following platforms:</p> <ul style="list-style-type: none"> • AS/400 • DB2 • HiRDB • INFORMIX • INGRES • INTERBASE • ORACLE • PROGRESS • Rdb • Red Brick • SAS • MS-SQL Server • SYBASE • Teradata • WATCOM / SQL Anywhere <p>Desktop dbms:</p> <ul style="list-style-type: none"> • Access • Clipper • DBASE III • DBase IV • FoxPro • Paradox
Custom Programming and Analysis - Web Development	Development of static and dynamic html, (including Active Server Pages and Cold Fusion) for data access through a web service.
Custom Programming and Analysis - Compiled Software	Development of binary executables, linked libraries or "brokered" objects for data access and n-tier architectures.

RESEARCH SERVICES FOR IT MANAGERS AND EXECUTIVES

Research, analysis and technical writing for the purposes of documenting systems and processes for management reporting, staff reference and / or data systems development.

RESEARCH SERVICE	Description
Technology Surveys / Executive Backgrounders	Definition of research area and related interviewing, data gathering and document preparation to provide an overview of a particular technical area.
"State-of-the-shop" Process Snapshots	Definition of research area and related interviewing, data gathering and document preparation to provide an accurate definition of business processes within the scope of the research area.
"State-of-the-shop" Systems Snapshots	Definition of research area and related interviewing data gathering and document preparation to provide an accurate definition of existing systems within the scope of the research area.
Software Specification Development	Definition of problem area and related interviewing, data gathering and development of software requirements and specification.
RDBMS Reverse Engineering	Entity Relationship diagramming of existing database systems.

PRODUCTION ENHANCEMENTS AND OPERATIONS SUPPORT

Data system inspection, analysis and data manipulation in support of a new or ongoing production operation. Includes ad-hoc query development and data reporting.

SUPPORT SERVICES
Database and data administration*
Bulk load import / export script construction*
Data Conversions for system migrations*
Data Piplining / Replication design*
Data Backup Procedures Definition
Report Development / Modification

*Oracle and SQL Server Platforms only

UNSUPPORTED SERVICES

Code Labs does not offer or perform any of the following services. These services are traditionally handled by an organizations' IT department.

- Network Engineering and Troubleshooting
- Design of local or wide area networks or network infrastructure
- Configuration of firewalls, hubs, routers, switches
- Installation, Monitoring or Troubleshooting of network performance problems
- Equipment costing, purchasing, installation or maintenance
- Any 24 x 7 Network Operations Support

RATES

The current (Q1 2002) billing rate for all services is \$45 per hour. Projects are billed on a time-and-materials basis. Lower rates are available for long-term projects. Alternative payment terms and fees are available depending on project & time volume.

Platform and Licensed Tools

Platform

Code Labs maintains a LAN-based development environment suitable for development and testing of applications with remote connectivity via static IP for file transfer and client review. Additional hardware can be added to support project requirements.

Licensed Tools

Code Labs licenses the following tools for development. Additional tools can be added to support project requirements.

(All products, brands and trademarks copyrighted by the manufactures.)

- CA Erwin – round-trip RDBMS modeling to multiple platforms
- MS-Visual Studio 6.0 Enterprise Edition
 - Visual C++ 6.0
 - Visual Basic 6.0
 - FoxPro
 - MS SQL Server 6.5; 7.0
 - IIS / ASP / MTS
- Oracle 8I (additional Oracle products available to support development through OTN.)
- Cold Fusion 4.0
- Photoshop 6.0
- TechExcel DevTrack 3.0 Development management

Contacting Code Labs

Email	matt@codelabs.com
Phone	(503) 320-0293
Web Site	http://www.codelabs.com
Mailing	2459 SE TV Hwy PMB #149 Hillsboro, OR 97123-7919