

# LTRDATA

## CV – Olof Lagerkvist

3 years university program, Computer Engineering Science with similar to BA degree. (2002)

IT Manager for a manufacturing industry group, Hydria Invest between 1998-08 and 2000-08 and between 2002-04 and 2006-12. The experiences from this work are very wide, from technical support on most levels, development of applications for presentation of statistics and other information to the users to integration of different network architectures and operating system environments. It has also included project team leading for development teams of consultants and contract programmers.

The different network environments have been mainly integration of local office networks over VPN connections, integration of user account databases between Windows and Unix servers and similar. The programming tools involved have been mostly C/C++ under Unix and C++/VB6/VBA in Windows.

*Reference contact person, Hydria Invest: Micael Barrstrand, 033-23 67 88.*

## Experiences from programming projects

- 1998-07 – 1998-08 *Visual Basic, VBA, C++.* Tool for presentation of statistical data out of text files exported from a Unix system. The Visual Basic part had a dialog box with options such as sum/avg/date searching and the data tables and diagram was presented in Excel using COM. The C++ part was a DLL file that exported to the Visual Basic part some functions for retrieving the text files from Unix over FTP.  
*Client: AB Borås Ventilation, Borås, Sweden.*
- 1998-08 – 1998-09 *Visual Basic, VBA.* Manufacturing industry tool for calculating sizes of pieces that need to be made ready for the complete products with a very simple user-friendly presentation on paper. This was essentially an Excel sheet with VBA code for collecting data from various places on the sheets and compile them to something user-friendly printable.  
*Client: KMI Luftteknik AB, Fritsla, Sweden.*
- 1998-09 – 1999-02 *Visual Basic, VBA.* Visualized “price list” with a visual view of add-on selections to a base product and presentation of each retailer’s price. The price data was collected from an Excel workbook and calculated and presented as different choices were selected in the graphical user interface.  
*Client: KMI Luftteknik AB, Fritsla, Sweden.*
- 1999-04 – 1999-12 *Visual Basic, VBA.* Specialized Word and Excel templates with connections to various databases both through ODBC interfaces but also through VBA

functions to collect data using COM interfaces or by reading text files.

*Client: Björklunds-Gruppen AB, Borås, Sweden.*

- 2003-08 – 2004-10 *Visual Basic, VBA.* Integration of manufacturing planning application from a machinery supplier with order management software by Visual Basic components to extract order data and planning and inserting order jobs in the manufacturing order system. This included certain levels of conversions, for example converting priority levels and reporting produced units back to the order planning system.  
*Client: Bröderna Rasch AB, Motala, Sweden.*
- 2003-09 *C++ Win32:* Tool for monitoring Exchange mailbox through file API and notifying users about new e-mail.  
*Client: Hydria Invest AB, Borås, Sweden*
- 2003-09 *C++ Win32:* Tool to be used as the shell application of a Windows session that is used only to connect to a Terminal Server and then, when the TS client exits, displaying a message box asking user if the computer should be powered off or logged on again.  
*Client: Hydria Invest AB, Borås, Sweden*
- 2004-11 – 2005-01 *Visual Basic, VBA, Access, VB.NET.* An Access based application for printing Product Labels (stickers on produced units with information about batch number, date/time and possible type certifications etc). The Product Label database used Visual Basic functions to collect data from order system using ODBC sources (first version) and then storing a record for each label in an MS SQL database for archive purposes and as a source for the actual printing component. The order system held one record for each order line but this database required one record for each printed label, for example an order line with production of four units lead to four records in the label database. With each record much statistical data was stored, for example about who printed and signed the labels for certified products and which date and time they were printed.  
  
The database was later changed to use a COM component exported from a VB .NET application that read exported XML files from the order system instead of directly reading using ODBC (this may sound strange but was due to a slow and buggy ODBC interface provided by the order system).  
*Client: Bröderna Rasch AB, Motala, Sweden.*
- 2005-03 – 2005-12 *Visual Basic.* Add-on tools to a manufacturing planning system for material planning. This included a tool with a very simple graphical user interface for searching for products using specified criteria and update (adding/removing, update quantities etc) underlying parts of the product to create or remove the

“trees” of products used for planning down to the parts the products are produced from.

*Client: Bröderna Rasch AB, Motala, Sweden.*

2006-01 – 2006-06 *Visual Basic.* Different user defined search and edit tools for quick editing of databases in an order system that requires COM interface for manipulation (ODBC etc cannot be used). This includes user interfaces for tools for example to change a field for all customers within a specified range of postal codes etc.

*Client: Bevent Rasch AB, Borås, Sweden.*

2005-02 – 2005-05 *Visual Basic.* Programming of a production statistics system that presented the volume of units to be produced in each part of a workshop. The information was presented on a large monitor and collected every 30 minutes by a Visual Basic based database reader that loop through and filtered data extracted through a COM interface. This was the divided by the budget for each production group and presented by an ASP page. (The ASP was mainly written by someone else.)

*Client: Bröderna Rasch AB, Motala, Sweden.*

2005-06 – 2006-12 *Visual Basic, VBA, VB.NET.* Programming of certain integration components for an Intranet solution for presentation of statistical data to sellers and providing them with simple click and view listings about what is currently and historically going on (offers, orders, shares of orders/offers etc) with particular customers, including collecting data from order systems, from databases covering official statistics about customers results etc and presenting the client’s share of selling to each particular customer. The integration components was for example about collecting night-time statistical data from different databases, running queries to filter and calculate and log certain interesting things found, up to the queries in the ASP pages that presented the diagrams, data tables and listings.

This project also included some .NET components for interaction with some of the databases. (The ASP was mainly written by someone else.)

*Client: Bevent Rasch AB, Borås, Sweden.*

## System management tools, recovery tools etc

A large part of the work from 2002 in has also been many types of solutions to problems, technical tips and advice or development of special-purpose system management tools and disaster recovery software, mainly written in C/C++/VB/VB.NET (some also on \*nix platforms). Parts of this work have later been released as free software (either independent device drivers or other small and useful system tools). One example is the *ImDisk* virtual disk driver. Besides being a driver capable of mounting disk image files as virtual drives it can also mount partitions of hard drives on other computers on the network. This means that you can boot a dead Windows machine on a Unix Live-CD and run a special server tool and then an *ImDisk* driver on a Windows computer on the network can mount it and for example run recovery tools on that filesystem. Another example of a useful tool is the tar-like archive tool *strarc* that can be used as a backup tool or for other copying or archiving of files including all meta-data on an NTFS volume.

List of free pieces of software: <http://www.ltr-data.se/opencode.html>

With best regards, Olof Lagerkvist