



CLAUDIO LUCAFERRI

Senior Software Specialist – Core Developer

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PROFILE

- Articulated technical expertise in ICT matured from 1993 through the management of technical aspects and technology, with particular attention to highly innovative contexts. I have developed specific expertise in software development. Versatility is one of my strengths.

EXPERIENCE

Senior Software Specialist

Senior free-lance Team leader, Core Developer

📅 January 2006 - today

- Developer in C#, VB.NET, C/C++, PHP, Javascript, Java, Objective-C, Swift, VB6, VBA, HTML5/Javascript/CSS, ASP.NET, MySQL, MSSQL, SQLite, Linq and teaching activity about MySQL/MariaDB;
- Development Windows kernel driver, test with Windows hardware lab kit and submit for Microsoft certification;
- Developer of a VOIP system (with custom voice engine) with C#/C++ on Windows XP Embedded SP1 for FFSS and MetroRoma;
- Developer of a custom Gis system (Terrapack) on web engine HTML5/Javascript with WMS Server;
- Professional support in NATO interoperability exercise CWID/CWIX from 2008 to 2014 in Norway and Poland as a "Specialist in software development";
- Native apps with html5 for Android/iOS/WinPhone;
- Back-end Windows Service for traceability in industrial context with exchange data with Sap using SapRFC and web services (SOAP).
- Development with C++11 (with RAI, lambda, PIMPL and move semantics), protocol buffer, Winapi, ETW of a software EDR (Endpoint Detection Response) for data monitoring at user/kernel level on Windows with Firewall communication and Lua engine;
- Development with C# (Valor SDK) of OML Service and OML Dispatcher for OSRAM CONTINENTAL;
- Development with C# WCF of an Web Service of data interface.

Analyst developer senior – Team leader

K+ S.r.l.

📅 April 2003 - December 2005

- Server software for job printing;
- Software for Windows CE with TCP/IP communications;
- Encoding/streaming software in real time of phones audio for intercept system.

Analyst developer senior – Team leader - Project manager

KS S.p.A.

📅 March 2002 – March 2003

- New web site ABI Lab;
- Bridge JNI (Java Native Interface) from java to C.

Analyst developer senior – Team leader - PM

Agorà Telematica S.p.A.

📅 April 2000 / February 2002

- Teaching for versioning system in software house;
- Tutor for developers juniors;
- Developer/Project-Leader in development teams of the following web projects: colosseoilluminavita.it, archiworld.it, toyota.it, nessonotocchicaino.it, graficheponticelli.it, rigore.it, guidagenitori.it, energywatch.it, dirkvogel.com, farmindustria.it.

Analyst developer - Specialista Win32 - Tutor

ITP Elettronica S.r.l.

📅 May 1997 / April 2000

- Strong experience using Win32Api with owner drawing and hooking code and CGI/C programming for "Terrapack" GIS program;
- Development of DCOM and OCX components;
- Development ANSI C library multiplatform WINDOWS – UNIX
- Role in Development Program SkyWork "to control the trajectory of the Sky ground missile of Italian Air Force through 4 cameras IR IRRIS-256ST, the program has been developed on the Sun UNIX machines with Solaris operating system and the development environment was Sun WorkShop 4.0.
- Development in 3D OpenGL multiplatform Windows–Unix.

Multimedia analyst developer

Infobyte S.p.A.

📅 April 1995 / May 1997

- Strong experience using Win32Api GDI and Socket;
- Role in Development Program "Roma nel Cinema";
- Main Programmer in software "Pianeta ENEL";
- Development multithreading in Windows with Visual C++.

Operatore specializzato su Personal Computers

S.I.M.E.S. 91 s.a.s.

📅 December 1993 / December 1994

- Specialized operator at the firm "Romana di Macinazione SpA" based systems Telemecanique interfaced to Monitor 77.

PHILOSOPHY OF LIFE

☞ "what you know isn't important, it's what you can do that matters".

STRENGTHS

Determination, flexibility and heterogeneous know-how on all the main technologies and operational contexts

LANGUAGES

- 🇮🇹 Italian Native
- 🇬🇧 English Reading and writing good. Spoken and understood sufficient.

QUALIFICATIONS

- 🎓 (C++ Institute) CPA C++ Programmer - **Certified**
- 🎓 (C++ Institute) CLA C Programmer - **Certified**
- 🎓 Microsoft **Certified** Professional
- 🎓 Microsoft Specialist HTML5 Javascript CSS3 (**Certified**)
- 🎓 Microsoft Certified Technology Specialist C#.NET Developer (**Certified**)
- 🎓 Zend Certified Engineer PHP5 (**Certified**)
- 🎓 Oracle Certified Associate MySQL 5 (**Certified**)
- 🎓 UML Foundation Training

LUCAFERRI CLAUDIO CURRICULUM VITAE

(Updated May 18th, 2023)

Last version of this document on <http://www.claudiolucaferri.it>



[\(C++ Institute\) CPA C++ Programmer - Certified](#)
[\(C++ Institute\) CLA C Programmer - Certified](#)
[Microsoft Certified Professional](#)
[Microsoft Specialist HTML5 Javascript CSS3](#)
[Microsoft Certified T.S. C#.NET Developer](#)
[Zend Certified Engineer PHP5](#)
[Oracle Certified Associate MySQL 5](#)
[Luciad Ria Developer](#)
"UML Foundation" ObjectWay University
C/C++/Obj-C/C#/VB.NET/Java/Javascript
Senior Developer
iOS Android WinPhone Developer



PERSONAL INFORMATION

Surname, Name	Lucaferri, Claudio
Sex	Male
Address	Rome, Italy
Phone	+39.347.12.857.12
Email	claudio@claudiolucaferri.it
Website	http://www.claudiolucaferri.it
Nationality	Italian
Place and date of birth	Rome, September 10th, 1970
Status	Married with a son
Military Service	Completed in 1991 at Italian Air Force
Skype contact	c.lucaferri_mac

PROFILE

Articulated technical expertise in ICT matured from 1993 through the management of technical aspects and technology, with particular attention to highly innovative contexts. I have developed specific expertise in software development. Versatility is one of my strengths.

WORK EXPERIENCE

Date (from - to)	Free-lance (self employed), Team leader, Core Developer from January 2006 until today
Firm Name	Several companies: Itp Elettronica, Aster, Maptel, Sielte, Martedi5, Progesi, Abbott, Trendiweb, CFP, Contini, Amelya, Aedgency, Xento, Selex, Ro-Technology, Invisible Studio, Vitrociset, Metroroma, Cadlog, Magneti Marelli, OSRAM, B810, Gr Elettronica, Sefa Hemargroup, Italian Air Force (ReGISCC), Lince, Zeta-Distribution, PizzaCapri, Assohandicap, Sealink, Ways, Almaviva, Segula Technologies, Leonardo, Gefran, Selcom Group S.p.A., Ge.Ba., Bitron, Roj, Vimar, Tecno System, Life Elettronica, Interconsulting, Gyala, Cipriani, OSCR.
Firm type	ICT – Software house and Software integrator
Job type	Senior freelance consultant, Team leader (self employed).
Main tasks and list of projects carried out, Chronologically	Development with C#, VB6 and C/C++ of VOIP applications (voice engine proprietary developed by myself) under Windows XP Embedded SP1 for FFSS and MetroRoma. Development with C# of an OPC server for Ways and MetroRoma. Development of a C/C++ solutions (VC++) to integrate a GIS engine with a web portal with implementation of an ActiveX. Development of a map-server WMS using PHP5 with OOP, Smarty template engine, generation and validation of xml/dtd and xml/xsd stream data, UML design with Enterprise Architect, documentation project using PHPDocumentor. Development extensions (equivalent to the ActiveX for IE) for the Mozilla Firefox browser with libraries XPCOM.

Development of a library management task parallel in C/C++ synchronized events and thread through semaphores.

Development with C# compact framework of a program to handheld for the management of RFID tags for Abbott.

Development proxy layers and layers Java front end in the draft DVBH with RDBMS Oracle for Tim, for Trendiweb.

Analysis and ASP.NET development of a system for managing requests for intervention with automatic email sent for CFP.

Development with C/C++ component of a multi-layer graphical ActiveX for Progesi.

Development with PHP and Javascript of a website <http://www.publicity.it> with development of CMS custom with RDBMS Oracle for Martedi5.

Development with PHP of my personal site <http://www.claudiolucaferri.it> using CMS Drupal.

Development of a system memory and memory leak bug in VC++ with final report generation.

Collaboration with prof. Umberto Nanni (University of "La Sapienza" of Rome) implementation/refactoring in C/C++ algorithms for the detection of "shortest paths" using Visual C++ and SQLite.

Development parser for multiplatform wxWidgets library.

Development web application for Contini about management of wedding list with Apache, PHP, Javascript, Ajax.

Experimental development .NET 3 with Visual Studio 2008 Beta 2 for client component with SilverLight 1.1 Alpha.

Development web-gis solution with proprietary backend, using VC++, PHP5 OOP, Javascript + JSON + Ajax (Prototype + Scriptaculous), XML with XSD validation, graphic 2D development with canvas cross-browser; resolution of cross-domain problem with proxy implementation in jsp, php and aspx.

Research activity for Aedagency (based in Barcelona) for the development of a browser extension toolbar for Mozilla Firefox 2.x; using XUL / XPCOM and more precisely x-javascript and native component with Visual C++.

Development DOM parser of XML data stream with VC++.

Bug fixing of the opensource project "PHP Obfuscator" adding a new functionality for support of "\$this" operator.

Development of Drupal modules with "hook" functions version 5.7 and external modules (cron-job) using PHP+Zend framework+jQuery for Amelya (<http://www.amelya.com>).

Professional support in NATO interoperability exercise CWID2008 Norway (from June 8 to June 14) as a "Specialist in software development".

Development of software module for AVI stream creation with VC++.

Development of a parser-engine xml with validation xsd with PHP5, for Xento.

Development of software modules in cms Wordpress for the site <http://www.confimmobiliare.it> for Goodkarma.

Development with VC++ of software module for access http with Win32 Internet Api (for Kerberos and NTLM authentication) and development "win-manager" for Selex-SI for EUCCIS project.

Professional support in NATO interoperability exercise CWID2009 Norway (from June 9 to June 20) as a "Specialist in software development".

Professional support in the G8 event at L'Aquila on July 2009 as a "Specialist in software development".

Development with Visual C++ of a plug-in for Internet Explorer 6.x or higher for print jobs monitor for Performa.

Development with C#.NET and C++ of a software for user print notification for Performa.

Development with C#.NET of a VOIP application that notifies vocal pre-registered messages

Development of an Apple-Universal application "TkTrack2" for iPhone and iPad (Gps extension and SQLite support) in Objective-C / Cocoa framework / iWebKit using XCode for Itp Elettronica (this app is developed for Italian Air Force and is not shown on App-Store).

Development of an iPhone application that permits the consultation of personal organizer data for [Amelya](#) published on App-Store (valid account required) and development of Apple Push Notification (APNs).

Porting [Amelya on Android platform](#);

Development with PHP of a software that reads data with military protocols for Italian Defence (Italian Air Force).

Development with PHP of web site <http://www.continiappia.com> with management wedding-lists and management stand-alone developed with Access / C#.

Development with PHP of military web site "Itaportal" (reserved access) for Italian Defence (Italian Airforce).

Development and integration of a e-commerce platform B2C for web site <http://www.continiappia.com> using PHP and integrated with "cartasi" service.

Development of web-app in JSP (Java) to integrate a WebGIS in a system based on WebSphere for Selex-SI.

Development of an iPad application on line journal [Freequency](#) published on App-

Store and development of Apple Push Notification (APNs).
Development of web portal www.jjob.it.
Data extraction on mysql for Gambero Rosso (www.gamberorosso.it).
Development of socket server TCP in C language for Linux Centos 6 x64 for Selex-SI.
Development of a mobile app "Tomorrow's Flight" for [iOS](#) / [Android](#) tablet for booking flight with helicopters.
Software Development of a Mail Sender in C#.NET of a lot of emails.
Submit process of applications on Apple-store and Google Play.
Development of conversion data algorithm in VB.NET.
Development of WCF (stand-alone and in IIS) in VB.NET
Development of an app mobile (reserved for Italian Air Force) for iOS / Android / Windows Phone with access to camera and GPS, and read/write data to Web service.
Development of an intranet for Assohandicap (send email in massive mode, send SMS in massive mode).
Development with PHP and Sql Server 2005 of a web application for production monitoring for Magneti Marelli (through Cadlog).
Development with C# .NET 4.0 of an application for monitoring of expiration products for Magneti Marelli.
Development with C# .NET 4.0 of an application (window service) of data transformation for the SAP system in Magneti Marelli using SAP-RPC.
Development with C# .NET 4.0 of an application (window service) of parsing UDP datagram for OSRAM.
Development with VB.NET 4.5 of a parser library for weather data METAR and TAF and a library decodes DAFIF data for Italian Defence at ReGISCC at military base "Pratica di Mare".
Development of mobile app "Circeo 2.0" (for iPhone and Android) for the city San Felice Circeo.
Sviluppo di un sito web per Zeta-Distribution: <http://www.zetadistribution.com>.
Development of a web site for PizzaCapri: <http://www.pizzacapri.eu>.
Development with C#.NET 4.0 of a Windows Service for data-transformation for Dison.
Development with C#.NET 4.0 of a Windows Service for data-transformation for B810.
Development with C#.NET 4.0 of a Windows Service for data-transformation for Gr Elettronica.
Development with C#.NET 4.0 of a Windows Service for data-transformation for Hemargroup.
Development of software components for the project "Sicote2" for Aster (final client is Selex-ES), front-end in Java/JSP, backend in PHP + WCF Geocoding in C#.NET 4.0.
Development of a Windows Service in C#.NET with front end ASP.NET+jQuery/Easyui on IIS for Sealink.
Customization of a GIS component with C# .NET 4.6.x with raster graphics management of entities.
Development with Android Studio of an Android app with NFC support.
Development of a C++ library to connect datagrid engine Oracle Coherence.
Basic knowledge of angular.js.
Basic knowledge of Yii (php framework).
Basic knowledge of LeafletJS (Gis Javascript Engine).
Basic knowledge of Asp.Net WebApi.
Development of the project "StepWorker" for Ge.Ba. with C#.NET 4.0 and Entity Framework+Custom control integrating Mentor Graphics Valor.
Maintenance in Leonardo S.p.A. of the project GMM using Angular4 and Luciad Ria.
Development with C#.NET version 4.x of a system data communication from a DB in Sql Server 2016 and a SAP system using SapRFC library version 2018 for Gefran.
Development with C#.NET version 4.x of a web system WAMP using Interop library for Excel communication.
Development of an app "Mozzarellapp" for [Android](#) (Java) and [iOS](#) (Swift).
Development of the project "DeliveryPrint" for Se.Fa.(HemarGroup) with C#.NET 4.0 WPF for label print with serial scan data reader.
Development of a Windows Service for Vimar company to interface SAP engine with SOAP-WS.
Development of a web app ASP.NET with C# 4.0 in IIS for Bitron Company;
Development with C#.NET 4.6.1 (Valor SDK) of OML Windows Service (Flexible Driver) and OML Dispatcher Service in automotive context for OSRAM CONTINENTAL company;
Development with C/C++ 11 for Windows (with Boost 1.6 and RAII, lambda, PIMPL and move semantics) of an EDR (Endpoint Detection Response) data monitoring project at user and kernel level with interface to Windows Firewall, WMI engine, COM interface, IPC, SQLite, ODBC, Network connections, protocol buffer communication and a Lua engine with module developing with Linux CentOS and Visual Studio Code, protocol buffer.
Development Windows kernel driver, test with Windows hardware lab kit and submit

for "Microsoft Windows Hardware Compatibility" certification.

Development with C# WCF of a Web Service http standard of data interface, with web developed with ASP.NET MVC 5.
Development with C# 4.7.2 of a Windows Service for data migration from Salesforce to SAP Business One through RESTAPI.
Development with C# 4.x of a data processing from PostgreSQL 10.
Development with PHP 8.x/Drupal 9.x of the e-diamonds web site with a custom module for data display from MySQL+Grafana.
Development of an app Android with C# Xamarin in Industry context.
Development of a web-app with ASP.NET-MVC/SQL-Server for "Azienda Ospedaliera S. Camillo / Forlanini" in Rome.
Development of a web-app with ASP.NET-MVC/SQL-Server .NET Core for Cadlog.
Development of a web-app with PHP+MSSQL+Javascript/JQuery+Vue.js for SEFA (HemarGroup).
Development of an app "Medisport" Xamarin Android/C# and iOS/Swift (Testing with TestFlights) with push notification Firebase implementation and publishing process on Google/Apple stores.
Development of an app "GM24" Xamarin Android/C# and iOS/Swift (Testing with TestFlights) with push notification Firebase implementation.
Development of framework package for iOS written in Objective-C.
Process CA certificate, sign and submission executables to Microsoft to avoid smart screen warning.
Development of MSI installer for Windows.
Software development ETW (Event Tracing for Windows) with Visual C++.
Sign+Submit+Notarization executable to Apple.
Process injection technique with Visual C++.
Development app Asp.net Core 3.1 "Cover Report" for Osram.
Development app and Windows service "ScrewDriver" with C#.NET 4.0 to interface an industrial screw implementing "Open Protocol".
Development with C# 4.7.2 of a Windows Service for data migration from Salesforce to Cribis Margò through RESTAPI.



Professional support in NATO interoperability exercise CWIX from 2010 to 2014 in Norway/Poland as a "Specialist in software development".

Date (from - to)

Firm Name

Firm type

Job type

Main tasks and list of projects carried out, Chronologically

April 2003 – December 2005

K+ S.r.l.

ICT – Software house

Employee: Analyst Programmer senior - Team leader

Analysis and Development in C# language of a system of centralized management of print jobs for the "Procura di Roma".

Analysis and Development in C# of a alarm-system with analysis by UML class-diagrams of the project, composed of Windows services that communicate with each other via TCP socket.

Analysis and development of ASP.NET web portal <http://www.miaeconomia.it> (cms owner and retrieval).

Developing for Windows CE (Compaq iPAQ PDA) routine for a library of graphics and connecting TCP / IP socket to a remote server;

Experimentation applications with C# Mono on Linux Mandrake 9.2;

Development in Visual C++ 6 with a system of encoding / streaming real-time wave sound telephone using Windows Media Encoder 9 (Format SDK) package Windows Media Services for Windows 2003 Server to the Prosecutor of Rome for software system called "MITO";

Analysis and testing protocols SMIL presentation, HTML + SMIL, HTML + TIME;

Developing wrapper libraries in C++ for decrypting file format mms / cap;

Analysis and development of a communication system in streaming audio (VOIP with proprietary protocol) on Windows XP Embedded SP1 on SBC (Single Board Computer) in Visual C++ with central control developed in C#.NET (MySQL db) using protocols network TCP and UDP unicast and multicast, the core of the system is fully developed in C++.

Date (from - to)

Firm Name

Firm type

Job type

March 2002 – March 2003

KS S.p.A.

ICT – Software house

Employee: Analyst Programmer senior - Team leader - Project manager

Main tasks and list of projects carried out, Chronologically

Date (from - to)

Firm Name

Firm type

Job type

Main tasks and list of projects carried out, Chronologically

Date (from - to)

Firm Name

Firm type

Job type

Main tasks and list of projects carried out, Chronologically

Engineering and analysis of the site ABI Lab (Italian Banking Association) <http://www.abilab.it> with Application Server JRun 4.0 (scalable on Tomcat).

Engineering and analysis of the site "e-Knowledge Portal" Application Server JRun 4.0 (scalable on Tomcat) with adoption of XML parser / XSL JDK 1.4.0 and development of classes of business with use of "Reflection API" Java 2, advanced DHTML and Javascript.

Bridge with JNI (Java Native Interface) from Java to C routines for the specific platform and C/C++ to Java-implementation of connection pooling for connecting to DB.

Installation, configuration and administration system versioning Microsoft Visual Source-Safe 6.0;

Study session at the XEROX Research Center Europe in Grenoble (France) Product Knowledge Pump "developed Java;

Analysis and application development J2ME (Java 2 Micro Editino) for the phones that support Java technology (software emulators).

Experimentation library free SDL (multiplatform Windows-Linux) for language C.

April 2000 / February 2002

Agorà Telematica S.p.A.

ICT – Software house

Employee: Analyst Programmer senior - Team leader - Projects Manager

Developing scripts for professional installations with Wise InstallMaster 8.0.

Java Servlet Development in the development environment Visual Cafe 4.0 and JRun Servlet Engine 2.3.

Installation, configuration and administration system versioning Microsoft Visual Source-Safe 6.0.

Professor of training courses on the use of versioning systems to the other teams.

Tutor reference for junior professionals.

Analysis and development of HTML pages with references to files CSS and JavaScript and DHTML (layer).

Analysis of developing parser session in Java for managing optimized upload through the web.

Implementation and generation of XML / XSL.

Developing ASP pages linking to Microsoft SQL-Server 7.0 (and 2000) on IIS 4 and IIS 5 (Windows 2000 Server).

Analysis and development of complex queries, view, triggers and stored procedures with SQL Server and Oracle 8i.

Experimentation small procedures with RMI (Java) and small IIS applications with Visual Basic 6.0.

Website internal "Pass" developed entirely by objects PHP4 with Apache on Linux with RDBMS PostgreSQL (and MySQL).

Design UML Enterprise Architect of Sparx Systems.

Role in the development team <http://www.colosseoilluminalavita.it> site.

Role in the development team of Italian architects site <http://www.archiworld.it>.

Role in the development team site <http://www.toyota.it> Toyota.

Project-Leader in developing proprietary CMS and retrieval of the site against the death penalty <http://www.nessunotocchicaino.it>.

Project-Leader (Project Manager and also in the final phase of the project) in the development of CMS and retrieval owner of the site for "Graphics Jumpers" <http://www.graficheponticelli.it>.

Project-Leader in developing proprietary CMS do and retrieval site for "Rigor" <http://www.rigore.it>.

Project-Leader project Clima-Watt for customer-Enel website JSP application and stand-language C.

Project-Leader for the redesigning and maintenance of the site <http://www.guidagenitori.it>.

Project-Leader for the redesign and maintenance of the site on <http://www.energywatch.it> Bea WebLogic 5.1.

Project Leader for the analysis and development of the site <http://www.dirkvogel.com> (both CMS that retrieval) made entirely in PHP 4 with the adoption of programming objects and the session on Linux platform (DB MySQL) ;

Coordination (as Project-Leader) of a development team of 5 persons of a draft ASP (VBScript) administration and navigation of web site <http://www.farmindustria.it>.

May 1997 / April 2000

ITP Elettronica S.r.l.

ICT – Software house

Employee: Analyst Programmer - Win32 Specialist

Formation of new technical resources within the company.

Implementation of thread synchronization.

Developing tooltip for each object Windows.

Strong experience using Win32Api.

Menu and listbox completely owner-draw with Tooltip procedures "HOOK."

Collaboration with University professor Umberto Nanni algorithms for searching "paths minimum" of a graph.

Development of applications in Java using the set of classes Swing, procedures for handling images, implementation of multi java programming, socket connection to a server written in C, matrix manipulation of images in 24-bit data compression;

CGI Programming in C;

Analysis and development of components DCOM;

Linux RedHat 6.1: installation and configuration of the operating system, editors, "there", shell programming, programming in C / C + +, Makefiles, socket programming, multithred programming, Motif programming, Shell programming, GRASP, and rebuild the kernel optimization, Kdevelop;

Installation and configuration of SAMBA to allow Linux to share resources in a Windows network, this software package was installed and configured on HP-UX machines.

Installation and configuration of RDBMS Oracle 8.0.5 for Linux.

Development of visual effects developed in C.

Development and expansion of the client-server program "Dynamic Archive" with remote access to the RDBMS Sql-Server version 6.5 fully developed in Visual C++ using the MFC.

Administrator RDBMS Sql-server for the client "Lazio Region."

Developing client-server applications with Visual Basic 5.0.

Development of a OCX component for the acquisition of images with scanners using the TWAIN interface.

Teacher in a stand of the Forum PA 98 held at the Fiera di Roma.

Development of a multi-library in ANSI C for the Windows platforms-UNIX implementations ODBC and DAO (for Windows).

The library mentioned above enables the development of TERRAPACK: Cartographic multiplatform software.

Analysis and application development for the Control Panel in Windows.

Role in Development Program SkyWork "to control the trajectory of the Sky ground missile of Italian Air Force through 4 cameras IR IRRIS-256ST, the program has been developed on the Sun UNIX machines with Solaris operating system and the development environment was Sun WorkShop 4.0.

Analysis and development environments 3D with the library OpenGL on Windows NT platforms-Unix.

Analysis of library Microsoft DirectX 5.0: in particular DirectDraw, DirectSound and Direct3D.

Administrator multiuser system development allowed by the software Microsoft Visual SourceSafe 5.0 (software package that allows you to develop simultaneously on the same source code).

Analysis and development of internal procedures with the environment using Borland Delphi 3.0 and Borland C++ Builder 1.0.

Analysis and development of an ActiveX (OLE Server-OCX) with the MFC Visual C++ 5.0, for interfacing to other products that communicate via TCP / IP with the environment TERRAPACK.

Analysis and development of procedures for installing and uninstalling the environment using Visual Basic 5.0 Enterprise Edition.

Date (from - to)

April 1995 / May 1997

Firm Name

Infobyte S.p.A.

Firm type

ICT – Software house

Job type

Employee: Media Analyst Programmer

Main tasks and list of projects carried out, Chronologically

Development of multimedia software for Windows 3.x with a careful drafting of the code for later porting to Windows 95; these projects were developed entirely in Visual C++ 1.5.

Strong experience using Win32Api.

Analysis and development of routine from C interface for Windows for multiple database formats (plus dBase III, dBase IV, Clipper 5.x, FoxPro) using libraries CodeBase 5.10 of Sequiter Software Inc..

Analysis and development of graphics functions in the Windows GDI.

Analysis and development of dynamic link libraries (DLL) for multiple functions, created in a way to interface to the Visual Basic 3.0 and 4.0 for Microsoft Windows.

Analysis and development procedures in the following areas: ACCESS, EXCEL Microsoft.

Analysis and development of procedures for installing software for Windows.

Role in the team software development "in Rome Cinema."

"Main Programmer" in the team analysis and software development "Planet ENEL.

Creating multimedia software into Windows 95 through the development environment Microsoft Developer Studio (Visual C++ 4.2).

Analysis and development of routine from C interface for Windows 95 multiple database formats (plus dBase III, dBase IV, Clipper 5.x, FoxPro) using libraries in 32 bits CodeBase 6 of Sequiter Software Inc..

Role in the foreground in the team analysis and software development " Geographic Hyper-map - A holiday for Europe" program consists of a series of 18 CDs about 18

European nations.
Implementation in software for WINDOWS 95 of technique MULTI-THREADING.
Techniques OWNER - DRAWING and SUBCLASSING of the typical objects of the Windows operating system both at 16 and 32 bits (for example, menus, listbox, buttons).
Analysis and Development, where was required, written procedures with the ASSEMBLER online.
Accomplishing Screen Saver for Windows.
Accomplishing Package, Java applets and applications with Visual J++ 1.1, symantec cafe is 1.51, symantec visual cafe '2.
Analysis and development of servers and clients that communicate through the transmission protocol TCP / IP using the Java language development environment Visual J++ 1.1.

Date (from - to)

December 1993 / December 1994

Firm Name

S.I.M.E.S. 91 s.a.s.

Firm type

Industry

Job type

Employee: Operator specialized on Personal Computers

Main tasks and list of projects carried out, Chronologically

Automation and development in building mill computerized at the firm "Romana di Macinazione SpA" based systems Telemecanique interfaced to Monitor 77; dealt with contacts and directives with the other companies participating in the automation project, as well as with the development of management procedures and printing certificates at the chemical laboratory of the Company mentioned above.
Exclusive access to the source code PL7.3 program automation.
Maintenance and configuration of the computers used.

OTHER PROFESSIONAL EXPERIENCE

December 1998-December 2000: Technical assistance and advice as professor of computer science courses for students and teachers of the Institute "Nazareth" in Rome.

In 1992, development activity for the "Giap Informatica", some modules of the program "Lotto vincente visual" entirely developed in Visual Basic with interfacing to DLL written in C with the Visual C++.

Analysis and Development for "Elisir Games" of some games (crossword puzzles and interactive) fully developed in Visual C++ 6.0 with MFC and DirectX8, particularly DirectDraw and DirectSound.

Analysis and development of a monitoring system on the serial port of counting counters video for "Elisir Games" entirely developed in C++ on Linux Embedded.

Acquisition and assembly amateur video with Ulead Video Studio 11;

Managing a network of Windows for a dentist studio.

Analysis and development of management software developed in Clipper and Access, still used by some companies.

Teacher in "Internet programming with ASP" at the company DigiTrace of Rome.

Consultant senior programmer at the company Graphisme of Rome.

EDUCATION AND TRAINING

Met Titles
Chronologically

Study session in language of image and pedagogy at the Salesian Institute of Arcinazzo during the year 1982.

Title of merit conferred from IPA on 4 March 1985, which won a 'Scholarship for the academic year '84 /'85'.

Title "Ragioniere e Perito Commerciale" obtained in the academic year '89 /'90 at the Technical Institute "Salveti" in Rome.

Title of "Programmer on Personal Computers in Basic and Cobol" obtained in year '90 /'91 at the "Opera Massaruti" in Rome with final vote "Excellent".

Qualification title "Esperto contabile fiscale e tributario su Personal Computers" obtained in the academic year '92 /'93 at the Training Center in Rome.

Title "UML Foundation Training" obtained at the ObjectWay University.

Title "OOADU (Object Oriented Analysis and Design with UML)" obtained at the ObjectWay University.

[\(C++ Institute\) CPA C++ Programmer - Certified](#)

[\(C++ Institute\) CLA C Programmer - Certified](#)

[Microsoft Certified Professional](#)

[Microsoft Specialist HTML5 Javascript CSS3](#)

[Microsoft Certified T.S. C#.NET Developer](#)

[Zend Certified Engineer PHP5](#)

[Oracle Certified Associate MySQL 5](#)

Qualification Diver PADI "Advanced" rating at the Diving Center "iDive" in Hurghada (Egypt).

LANGUAGES

Native
Language

Italian

English: Reading and writing good. Spoken and understood sufficient (though I'm currently studying and improving).

KNOWLEDGE

Languages and libraries

C, C++, Objective-C, .NET (C#, VB.NET, WCF, ASP.NET, ASP.NET MVC), .NET Compact Framework(C#), .NET Core, Linq, Visual C++ Embedded, Visual Basic, VBA, VBScript (ASP), PHP, Zend framework, Regular expression, HTML/DHTML, Javascript Vanilla, JSON, Ajax, Prototipe, Scriptaculous, jQuery, XML/XSD, XPATH, JsonPath, XML-RPC, CSS, Java (Servlet, JSP), OpenGL, Directx, CGI, MFC, ODBC, Windows Media Services, wxWidgets, XUL/XPCOM (x-javascript e native component), Sap-RPC, Log4Net, Swift, Lua, protocol buffer, Android Xamarin, SQL Profiling.

Soft skills: .NET Core 3x, Razor, Entity Framework, WebApi, Yii, Angular 2x, Luciad Ria, LeafletJS, Websocket, NOSql MongoDB + C# client for MongoDB, ReactJS, VueJS, RabbitMQ, POCO C++ libraries, Python, Laravel / Laragon / Composer, Ecmascript 2016 / NodeJS / Babel / Webpack, Unity 3D + C#, Atlassian Confluence, Docker, CMake, NMake, CodeSys, PLC programming (LD, ST e SFC IEC 61131-3), Grafana.

Development Methodologies

XP, UML, Design patterns

Development Tools,
Application server and framework

Visual C/C++, Visual studio 4.0-2019; PhpEd, C++ Builder, Netbeans, Eclipse, Kdevelop, IIS, Apache, Tomcat, Bea Weblogic, Drupal, Source-safe, CVS, Git, Smarty (PHP), Xcode, Android Studio.

(R)DBMS

SQL Server, Oracle, MySQL/MariaDB, Postgres, SQLite, Access.

Operating System

Windows, Windows Embedded, Linux, Solaris, HP-UX, Mac OSX

HOBBIES and OTHER INFORMATION

During the period of military service I was advisory manager of new recruits, emphasizing skills of administration and accountability; talents that have been confirmed in other professional environments.

In my profession I am dedicated and passionate about new technologies and new development environments; in fact, I continue to study technology even outside work hours, so as to be updated on the progress of information technology.

I adopt quality for writing code: I comment almost every line of source code and adopt a notation inspired to the Hungarian.

My hobbies are eclectic activities: from 1990 to 2007 I carried out animation/education (voluntary) for children and adolescents (8-13 years old) with which I organized real musical theatre performances in which I was director.

I am "Theatre director" for theatrical performances of some schools of dance. From 1997 to 2014 I directed in major theatres in Rome such as "Gerini", "Vittoria", "Nazionale", "Brancaccio", "Orione", "Jovinelli", "Olimpico".

From 2007 I study and practice the art of photography as an amateur.

I'm playing piano and synth for musical group "Vinile".

ASPIRATIONS

Growing professionally and being always up to date.

The favourite type of development is multimedia and "low level".

The motto: "what you know isn't important, it's what you can do that matters".



<http://www.claudiolucaferri.it>