Senior Technical Lead
C# / .NET / IT Management
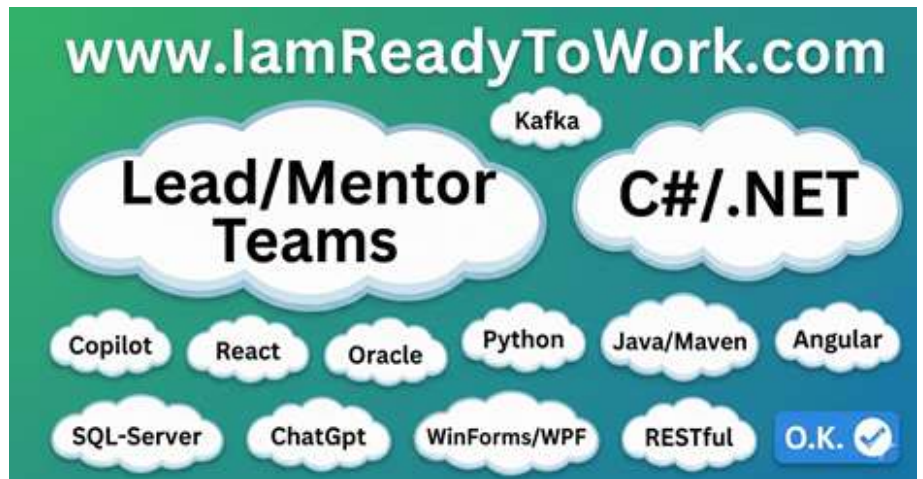# Resume

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Objective

Position as a Senior Technical Lead, Software Architect, or IT Manager

Programming Environments / Software / Technologies Used

Programming Languages: C#, Python, SQL, Java/Maven, JavaScript / TypeScript, C++, C, VB.NET / VB6, Lisp
Databases: Oracle, SQL Server, Stored Procedures, Entity Framework, ODAC, ADO.NET, ODBC
IDEs: Visual Studio, VS Code, IntelliJ IDEA
Version Control: Git, SVN, TFS
Platforms: .NET Core & Framework, NuGet packages
Web / Frontend: RESTful services, React, Angular, ASP.NET Core, Razor, WCF, Web Services, jQuery, AJAX, HTML / XML / XSL, CSS, JSON
Desktop / GUI: WPF, WinForms, ComponentOne GUI controls
Networking & Protocols: TCP/IP, Net.Tcp, WebSockets, SignalR, FTP, IIS, COM / ActiveX
Security / Code Quality: Coverity, Black Duck, GitGuardian
CI/CD / DevOps: Jenkins, Ansible, PowerShell
Operating Systems: Windows 11 / 10 / Server 2022 / 2019, Linux (RedHat, Ubuntu)
Other / Enterprise Tools: MS Office suite (user & developer), Market Surveillance Systems, AutoCAD
Modern Practices: AI-assisted development (GitHub Copilot, Microsoft Copilot, ChatGPT, Gemini), high-performance, scalable financial systems, multithreading, high-volume data processing

Professional Experience

Borsa Italiana (Euronext Group)
/IT Market Services/
Milan, Italy

Oct 2025 - Present
Senior Technical Lead

Senior Technical Lead with full accountability for architecture, delivery, and technical governance of mission-critical Market Surveillance systems within the Euronext Group.

- Lead and mentor development teams, set technical direction, conduct code reviews, and personally deliver the most complex and high-risk components using C#, .NET, Oracle, SQL-Server
- Drive modern development practices, leveraging AI-assisted tools to improve code quality, consistency, and delivery speed
- Own architectural decisions and implementation strategies for new features in highly regulated environments
- Provide delivery estimates to senior leadership and take full responsibility for timelines, releases, and production readiness
- Scaled the ARGO platform from a Borsa Italiana / CONSOB solution to a group-wide Euronext application, supporting multiple markets and international users
- Drive the migration and standardization of the Borsa Italiana Trade Surveillance / Market Abuse applications onto the Euronext infrastructure, covering the full environment lifecycle (DEV → PROD)
- Establishing CI/CD automation using Jenkins and Ansible, ensuring reliable, repeatable, and timely deployments
- Lead security and compliance initiatives across applications and infrastructure, remediating vulnerabilities using Coverity, Black Duck, and GitGuardian
- Led the team that designed a real-time Pricer POC capable of processing and visualizing very large volumes of live market data

(C#, .NET, Oracle, SQL-Server, Jenkins Pipelines, Ansible, Coverity, AI-Assisted Dev, GitHub Copilot)

Borsa Italiana (Euronext Group)
/Markets Supervision/
Milan, Italy

May 2021 - Sep 2025
Team Lead, Senior Full-Stack Developer

- Adaptation of Borsa Italiana Market Surveillance applications to the new data flows of the Euronext Group
- Led a team of developers building multiple Market Surveillance applications
- Upgraded existing financial applications, including migration of C# code from .NET Framework to .NET Core
- Migrated applications to new servers and databases

(C#, .NET Core, SQL-Server, Oracle, GPT-4, GitHub Copilot)

Borsa Italiana (London Stock Exchange Group) /Markets Supervision / Data Monitoring & Analysis/ Milan, Italy

Jan 2014 - Apr 2021
Senior Developer / Associate

Financial application development for Borsa Italiana / London Stock Exchange Group.
- Developed from scratch and planned the architecture of ARGO, a market surveillance application used by Borsa Italiana and Consob. ARGO is a modular application suite with a backend service and a desktop client. The client leverages high-performance GUI controls (charts, grids, docking tabs etc.), while the service hosts a flexible engine that executes queries defined via XML templates.
- Development and maintenance of high-performance monitoring tools
- Implementation of data processing pipelines and integration services
- Migrated legacy Market Surveillance applications to .NET / C#.
- Cross-team collaboration for international market integration

(.NET, C#, WinForms, WPF, SQL-Server, Oracle, Web Services, RESTful, WCF, Kafka, T-SQL, ComponentOne)

Morningstar Italy /investment research firm/ Milan, Italy

May 2011 - Dec 2013
Developer and IT Manager, Senior Software Developer

Morningstar Integrated Web Tools: Online modules for investment research and portfolio analysis.
- "Bear Market Simulation" module
- Enhanced "Portfolio Planner"
- Custom solutions for Italian clients
- Dynamic layouts and code optimization

(C#, AJAX, WCF, XML/XSL, ADO.Net, SQL)

Bond Import Tools: Imports bond data from Borsa Italiana and Moody's.
- Borsa Italiana files (MOT, TLX)
- Moody's data

(C#, SQL, FTP, SharpZipLib)

Banca Generali Advisory Platform: Provides portfolio overview, proposals, and reporting.
- Migration to .NET 3.5 / VS 2010
- Data processing from Italian Banking Services Consortium
- Maintenance and feature updates

(C#, Web Services, XML/XSL, PDF Reports, ADO.Net)

Advisory Platform 2.0: Improved interface, mobile support, AJAX interactivity.
- Light Web/WCF services
- Tablet-oriented solution
- Cross-browser compatibility

(C#, WCF, AJAX: JQuery, Backbone, Mustache)

Other Activities: Verified by Visa backend, internal WCF services, client interaction. *(Cardinal Centinel, C#, Web/WCF Services)*

Banca Sara (Banca della Rete) /online banking, trading, asset management/ Milan, Italy

May 2008 - Apr 2011
Developer

Bloomberg Enhanced Client: Downloads Bloomberg data via Windows Service and client app.
- Windows Service for Bloomberg API requests
- Client app updates SQL Server databases

(Bloomberg API, C#, Windows Service, ADO.Net)

XFTitoli: ASP.Net AJAX app for managing securities and MiFID profiles.
- Custom database and forms per security type
- Sync IBM DB2 & SQL Server
- Export to Excel, credit rating assignment

(AJAX, SQL Server 2005, IBM DB2)

Anomaly Indicators of AssoReti: Implements legal & internal control procedures. *(ASP.Net, C#, SSIS, DTS)*

Online Account Statement: Download bank documents in PDF via web service. *(C#, ASP.Net, Web Services)*

My Contacts: Interface between IBM DB2 and SQL Server for client info. *(C#, ASP.Net, XML)*

Market Abuse: Detects suspicious advisor operations. *(SQL Server, DB2, ASP.Net, AJAX)*

Fund Management: Integrated apps for monitoring mutual fund operations.
- Check placed/executed orders, reconciliation
- IMCO-specific monitoring, error display, web service integration

(C#, ASP.Net, AJAX, SSIS, DB2)

MiFID Profiles Calculation: Calculates suitability/appropriateness profiles per security type. *(C#, Bloomberg API, SQL Server, SSIS, Web Services)*

Managing Portfolio Risk: Portfolio security list updates & reporting of securities without benchmark. *(SQL Server, C#, DB2, Excel XML)*

Shared Service Center By Pirelli & Telecom Italia - SSC S.c.r.l. (former PIRELLI Informatica S.p.a.), Turin - Milan, Italy

Dec 2005 - Apr 2008
Programmer

Sarbanes-Oxley (SOX) Project, Telecom Italia
- Team coordination, requirements gathering, analysis and optimization

Annual Sox RollOver: Transforms and copies SOX documents, creates new sites.
- Sox Export - saves SharePoint XML to SQL Server
- Sox Db Synchronizer - aligns database
- Sox Fixer & Plugins - transformation and DB operations
- Sox Import - creates SOX site and XML

(C#, VB.Net, XML, SharePoint, SQL Server, Multithreading, ASP.Net)

- UserExplorer - SOX user provisioning tool *(Active Directory, C#, ASP.Net)*
- Sox Document Fixer - modifies SharePoint XML *(C#, WSS, ADO.Net)*
- Master Data Admin - interface translation & personalization *(C#, ASP.Net, SQL Server)*
- Sox Drill Down Search - document search in ASP.Net interface *(C#, SQL Server)*
- Multilanguage Announcement - custom SharePoint Web Part *(C#, SharePoint SDK)*
- InfoPath Form Template - dynamic dropdowns, validation, modal dialogs *(C#, ASP.Net, Web Services, JS)*

Shared Service Center By Pirelli & Telecom Italia - SSC S.c.r.l. (former PIRELLI Informatica S.p.a.), Milan, Italy

Mar 2001 - Nov 2005
Programmer

- Ticket Restaurant - Staff meal management *(C#, ASP.Net, Oracle, VB, ActiveX)*
- Health Fund - Refunds, bookkeeping, reports *(ASP, Oracle, VB, ActiveX, JS, MS-Excel)*
- Personnel Desk - Badge reading, form printing, emails *(VB/C#, Oracle, ActiveX Word/Excel, PDF)*
- Employee Register Book - Electronic staff register *(ASP/ASP.Net, VB/C#, ADO, Crystal Reports, Oracle, PDF/FDF)*
- Illness Phone Notification - Health notifications *(ASP, Oracle, VB, ActiveX, Microsoft Web Objects)*
- Stock Options - Trading data management *(ASP, HTML/DHTML/CSS/JS, Oracle, PDF/FDF, UNIX scripts)*
- Bank Details Updates - ABI data import *(VB, ADO, Oracle)*
- Work Injury - INAL form compilation *(ASP.Net, C#, Oracle, PDF/FDF, Photoshop)*
- Employee Self Service - Absence justification via SAP *(C#, SQL Server, ADO.Net, IE DOM)*
- Special Fund / Executive Absence - Communication & absence management *(ASP, JavaScript, Oracle, VB, ActiveX, Excel)*
- Client Requests - Helpdesk archive *(ASP, VB, MS Access, Outlook)*
- Pirelli Parking Lots & Administrative Services apps *(ASP/ASP.Net, ADO/ADO.Net, Oracle, JS/HTML/DHTML/CSS)*
- Absence Statistics - Reporting app *(Visual C++, MS-Excel, Oracle)*
- Other Activities - HR apps, user support, code maintenance, DB import/export, legacy code support (Perl, VB 16-bit, UNIX Shell), Oracle/SQL Server)

AGB Media Services/AGB Ukraine (Television Audience Measurement Company), Kiev, Ukraine

January 2001 - February 2001
Programmer

- High speed software development: statistical calculations, fast converters, optimization of algorithms. *(C++/MFC/ATL/ActiveX)*

Il lupo e l'agnello Editori (Publishing House), Milan, Italy

Sep 2000 - Dec 2000
Programmer

- Developed 4 intranet sites with ASP & SQL-Server, including intuitive search and editing features, cross-platform (PC/Mac).

- Created C++ ActiveX controls (e.g., Italian Speller) to integrate MS Word spellcheck, improving editor efficiency.
- Built an internet picture archive with ASP/JSP/VBScript/JS: image upload, resizing, descriptions, and custom search engines.
- Implemented Data Import/Export tools and image management programs *(C++, MFC, VB, SQL Server, Access, Excel)*.

Kirovograd affiliation of the Land Use Planning Institute (Land surveying, valuation, spatial data processing), Kirovograd, Ukraine

Sep 1996 - Aug 2000
Software Analyst/Programmer

- "AutoCAD Draw 2000" - Draw geographical maps directly in AutoCAD 14. *(MS Visual C++ 6.0, MFC, ATL, ActiveX Automation)*
- "Visual Map Editor" - Efficient picture & coordinate editing for quick map creation. *(Borland C++ 5.0/4.5, OWL, OOP, STL)*
- Automated landowner forms system - generates, fills, prints, and manages forms; covers 30-40% of Kirovograd Region. *(C++, SQL, Word Basic, OLE Automation)*
- AutoCAD Lisp programs for versions 10-14.
- Accounting software for payroll, expenses, labor cost, and statistics. *(CA-Clipper)*
- Participated in GIS software development. *(VC++)*

Education

Kirovograd State Technical University, Kirovograd, Ukraine
Department of Computer Science and Software Design,

September 1993 - June 1998

- ***B.Sc. in Computer Science, June 1998***
- ***Graduation with award of distinction, GPA 5.0/5.0***

Kirovograd Cybernetic and Technical College, Kirovograd, Ukraine
Concentration in Mathematics and Programming,

September 1991 - May 1993

- ***High School (College) Diploma, May 1993***
- ***Gold medal graduation with award of distinction, GPA 5.0/5.0***

Kirovograd Painting School, Kirovograd, Ukraine
Artist and Designer,

September 1988 - May 1991

- ***Graduated with honors, May 1991***

Languages

English:	fluent
Italian:	fluent, near-native proficiency
Ukrainian:	native
Russian:	native

Travel and Relocation

Flexible for relocation and business travel. Licensed driver (EU, Category B).