S!nfiniti
Digital tools

Stefano Luzardi

Top Skills
Senior software engineer & developer

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Birth date: 18 Nov 1970

Qualifications summary

Seasoned Software Developer and Analyst
brings 28 years of experience in the software engineering sector, leveraging proficiency with advanced technologies to implement high-quality systems and meet complex business objectives.

Possesses knowledge of major database systems and software development processes such as RUP, OpenUP, and Booch as well as the fundamentals of agile environments.

Harnesses a track record of success in configuring and administering development support tools; orchestrating database design, normalization, and optimization; and leading business analysis, including requirements collection as well as process, data, and risk analysis.

Languages
C#, Objective-C, Java, C, C++, Swift, Typescript, JavaScript, Python, VB, VB6

Database knowledge
Microsoft SQL Server, Postgres, Elastic Search, InfluxDB, Oracle, MySQL, SQLite, Mongo DB, Redis.

Technologies and frameworks
.Net Core 2, ASP.Net MVC, Android SDK and NDK, iOS Framework, Angular 7, Ionic 3, Cordova, AngularJS, JQuery, Node JS, XML, XSL, HTML, X-Tensive DataObject.net, Sprint, J2EE, ASP.Net, google map API, google chart tools, Asp.Net Core.

Development Tools
Visual Studio, Visual Studio Code, X-Code, Android Studio, Eclipse, Web Storm, Atlassian tools, SVN, Git, Mercurial

Platforms
IIS Application Server, Docker containers, NGINX, Apache, BEA Weblogic, TomCat, Amazon Web Service, Microsoft AZURE, Google Cloud services

Summary of work experiences

Jan 1995 > Today

Senior software engineer & developer *(consultant)*
Joint Research Centre (DG JRC) – European Commission
- Engaged as a senior-level software developer for various online and mobile applications, drawing on advanced proficiency with a range of technologies to analyze and enhance software functions.
- Database architecture: transactional and data warehouse
- Middleware
- Back-end development
- System integration

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Senior software engineer & developer *(partner)*
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- Database architecture: transactional and data warehouse
- Middleware
- Front-end development
- Back-end development
- System integration
- API definition and publishing

Sep 1988 > Jan 1995

Software developer *(entrepreneur)*
Founder of ALESCO

- Database architecture: transactional and data warehouse
- Middleware
- Front-end development
- Back-end development

Projects highlights

IOR (Index of Resources) (Joint Research Centre of European Commission, JRC) 2018-now

- Architecture design, project management and development of a new web service to search European commission resources about security and space. The system relies on .Net Core 2 services on Linux machines, Elastic Search database, Hadoop HDFS and use Natural Language Processing and machine learning algorithms to cluster and categorize resources. The user interface is developed in Angular 7.

DataPlot (Geolog S.r.L.) 2018

- Architecture design and project management to control drilling oil wells by specialized geologist. Responsive user interface is developed with Microsoft WPF and SciChart. New architecture use an InfluxDB database and near-real time MQTT messaging.

Easy Harbour (Easy Harbour S.r.L.) 2015

- Took charge of business requirements analysis as well as prototype, application, and web server development for an iOS and Android application for berth sharing.

On-Line Game Systems (CherryPicker) 2014 – 2015

- Headed the development of an on-line contest for a prize system, integrating a back-office management system that configures games as well as a user-friendly front-end design and platform.

SRM: Smart Radio Monitor (Joint Research Centre of European Commission, JRC) 2011 & 2016

- Blended keen research and project management to strengthen the architectural design of Android and iOS applications that collect data regarding cellular and Wi-Fi signal strength, broadband speeds and Network Neutrality (www.netbravo.org).

Radio spectrum Inventory (Joint Research Centre of European Commission, JRC) 2012 & 2015

- Strived to promote wireless services growth and innovation through working closely with the JRC and executing business, process, data, and risk analysis as well as architectural design and the development of database and tools to better manage European Radio Spectrum.

Progetto Teatro 2014

- Led the development, website configuration, and publication of an innovative, online responsive website for both public and back-end web to enhance theatre event promotion.

Ambrosetti Formazione Permanente (Ambrosetti S.P.A) 2013

- Orchestrated a software development project, conducting business requirement analysis and end-to-end development for an iPad application dedicated to relaying Ambrosetti website information on iPad devices.

ILO, International Labour Organization 2007 & 2012

Steered the analysis and design of automatic migration procedures and the development of custom java fragments in order to transfer 150 different websites to the ILO official website using a Stellent Content Server.

Care CUBE (Mind Cube sagl) 2011

- Took on a 1-year project, analyzing and implementing software for Home Care centralized management, allowing operators to track client actions by using the barcode of client cards. Client application is developed on Windows CE and Android devices.

NED (Attractive S.r.L.) 2011

- Facilitated the accurate statistical and geographic distribution analysis of ticket sales on www.boxol.it while assessing requirements and application architecture and strengthening business logic.

Bidda (SevenPM S.r.L.) 2010

- Managed the design and analysis of an E-Commerce website, drawing on customer requirements to implement software architecture and documentation while utilizing AJAX for real-time browser updates.

Motore Unico di Programmazione (MUP) for IVECO S.p.a. 2006 & 2008

- Served as a technical supervisor of production software, collaborating with IVECO to produce a configurable framework to permit programming of vehicles in end of line and customer care. The engine was developed using C#, C++ for drivers and XML for Forms and programming parameters.

DataLogger for IVECO S.p.A. 2006 – 2007

- Oversaw the analysis, design, and development of all application components for a hardware device able to log a series Ecu's signals on vehicle networks using a desktop application, which is used to analyze data downloaded from internet or directly from the device.

Muoversi a Torino (Polimatica S.r.L.) 2004 & 2007

- Revamped the 5T website over an 11-month period, leading the complete design and proposal of new architecture and directing the development team in integrating technology for traffic and transport during the Turin Olympic Games.