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Diego Aldo Burlando

(Italian citizen EU member)

*Senior Software developer Project Manager on
Microsoft and Linux technologies. Team Leader hands
on code*

UK National Insurance Number: SP 69 54 25 B
Availability: from January 1st 2016

Irish PPS: 1545271QA
Preferable work location UK, Ireland

Education

Degree in Science and Mathematics in 1987 (University of Genova ITALY)
First Certificate in English of Cambridge 1996. ref. 966IT0090003
Studies on Statistics, HMM modelling in Speech synthesis and Voice recognition. Machine Learning Semantic Web,
Cryptography elements of Web Security, daily activity of open source development on Linux Ubuntu

Languages

English: native
Italian: native

Technical Experience

Project Management team leadership on Agile SCRUM
RDF (web 3.0) OWL ,Linked Data using DotNetRDF and Apache Jena (progressive knowledge building)
ODATA C#
JavaScript: 10 year's experience.
AngularJs 4 year's commercial experience.
Jquery JQueryUI 4 year's commercial experience.
Grunt Task Runner 2 year's dev experience.
Amazon AWS, Microsoft Azure Authoritative experience. Accounts Holder
Jave EE servlet creation 1 year's experience
NodeJS: 4 year's commercial experience plus Express 4 piloting SPA 3 year's experience.
C# 15 years' experience OOD
C++ 18 year's experience++ Microsoft Foundation Class Design Pattern
SOLID Principles, design patterns, GOF, Agile Manifesto's follower, TDD Unit Testing Mocking Frameworks
Visual Studio.Net 2005/2008/2010/2012/ 2013/2015 15 year's experience
Version Control systems GIT, TFS, Unfuddle.com, Tortoise Svn extensions for Visual Studio 15 year's experience
Continuous Integration design
.NET framework 2/3/4.0/4.5/4.51/4.6
Microsoft Asp.Net MVC 3/4/5
ADO Net
Ecommerce experience 10 year's experience. High transactional web sites administration.
Microsoft Asp.Net Web Forms
Microsoft WPF MVVM design pattern and Windows Forms Development
WCF, Web API, Web Services, Enterprise SOA
Windows Services in Managed and unmanaged code
SQL Server up to ver. 2014, Oracle 11G, Mysql, MongoDB, NoSql JSON databases
Windows Mobile 6.5 C++, Windows Phone 7/8 Development C# C++
Android development on QT project
Internet Information Service up to ver. 8.0 Administration.
Unit Testing Using Microsoft Tests, Nunit Framework
Mocking Frameworks as Rhino Mock, Mock
IOC container, Dependency injection using Structure Map, Ninject, Castle Windsor custom DI containers
ORM Entity Framework, Nhibernate, Access data layer with C# Generics
Windows 8/8.1 Metro Style Development
Silverlight up to ver. 5.0 Web/Out of Browser development
C# C++ Multithreading very good understanding of all synchronization objects and TPL
Crystal Report
Windows Platform Invoke
Window native API
Development in mixed Language C# and C++/CLI
VMware technologies

Work experience

Current Activity as an open Source researcher

Development of Java Servlets and deployment of webapplications on the Cloud (Microsoft Azure). Massive development activity in C# Java and Rest. Proficient usage of Nodejs and C++.

8/06/2015 -> 12/11/2015: Software Architect deep hands on code Lead tech at Siemens (Italy)

Activity of team leadership and program Manager with remote management of Agile teams in India, Israel and Chicago. Together with deep hands on code and mentoring the activity of management has ranged between providing resources for the Team (licencing) to evaluation of timescale and design for deployment of the service Layer. (Java environment)

SPA development using Angularjs and Team management. Semantic Web and ODATA backend developer. REST API using Microsoft MVC and WEB API 2.2. Asynchronous programming. Intense activity of UserCase development with Stakeholders.

24/05/2015 -> 8/06/2015: Massive review of new Cutting edge technologies in Front/Backend

Amazon Aws Microsoft Azure Angularjs and JQuery UI

9/01/2015 -> 24/05/2015: Laya Healthcare in Cork (IRELAND) Contract

Team Leader and Backend Frontend developer in Nodejs and Angularjs. Scrum Manager and Project manager for the design and implementation of the solution. Team Leader in a team of XP programmers.

4/8/2014 -> 1/1/2015: Totally Money.com in London on Contract

Team member in Agile Environment Hands on Code C# developer of unit tests and Frontend with Angularjs. Also Scrum Manager and tech Lead for the design and implementation of the application and Risk assessment.

8/2014 -> 8/2014: Open Source freelance developer

SignalR2 in .Net to create complex chat systems using AngularJs in the frontend. See GitHub repository at <https://github.com/diegomary/chatSignalR2>

Intense study on Lucene.Net to develop search engine systems in MVC5. See GitHub repository at <https://github.com/diegomary/Lucene.Net.InitialStudy>

Implementation of Single page applications using AngularJs, NodeJs, with NoSQL databases like MongoDB, RavenDB. Google Analytics. SVN Turtle and BitBucket repositories creation. Massive activity on Github. Deep study on Nodejs server and RavenDB.

2/2014 -> 8/2014: Grey Healthcare London on Contract

C# Hands on Code and Umbraco CMS developer

1/2014 -> 2/2014: Open Source developer

Angularjs Activity

5/2013 -> 1/2014: D2I London as Project Manager, Scrum Master Product Owner, Senior Lead developerSenior Developer

Team management of agile members. Management of frontend and backend. Mentoring cutting edge technologies to team members.

MVC4/5 Asp.Net WebForms Mysql, SQL Server 2012 Visual Studio 2012/2013 Javascript, AJAX, CSS3,HTML5 Entity Framework, Nhibernate, Kendo UI,Wpf, WCF, WS. Cloud Accountancy, Payment Providers, Amazon AWS SNS, ElasticIP, Micro instances, Medium instances management, Pay4later and AccountsIQ. Payment gateway Earth port and WCF services. Frontend development in pair programming for the development of the appearance of numerous ecommerce websites. Creation of scheduled tasks in WPF environment. Integration of providers of cloud accountancy. Source Control management and administration either GitHub or TFS. WPF MVVM Multithreading and dependency injection. Very close contact with customers to support them on new requirements. Voucher module implementation for high transactional web sites. Mentoring of other members of the team for specific integration purposes. Update of roles and membership features in existing web applications. TDD and Mocking Frameworks, Cruise Control. NOSQL Database using MongoDB and MongoDB C# Driver to create SPA in MVC5. Successfully committed to stabilize multithreading applications in c# and fix all the bugs that made them unstable. Creation of layer of communication between processes on an AWS cloud server medium instance to dialog by means of multithreaded sockets. Acquired experience on Lucene.Net in C# for extensive search in NoSQL documents. Extensive usage of fluent Nhibernate in C# and Mysql. JQuery Plugin Development. Deep understanding of all the Amazon AWS architecture and great WCF cached and multithreading between AWS Micro Instances. Deep study of SOLID principles. Proficient usage of IOC containers like Castle Windsor and Ninject to accomplish solid principle of using Dependency injection.

4/2013 -> 5/2013: Open Source freelance developer in London

C# Design patterns

1/2013 -> 4/2013: Eurostop London on contract

Project Manager and implementor of main project of porting of EPOS solution. Scrum Master and Tech Lead

C# C++ Asynchronous programming on EPOS and interface of payment system

7/2011 -> 12/2012: Indesit Ariston Hotpoint Italy Team Leader Developer Agile/Waterfall

C++ development firmware development Realtime development

7/2010-> 6/2011: Carige Bank under Microsoft tutelage as a Senior Developer

Custom cryptography c# developer and DEVops activity on Cloud infrastructure

11/2009-> 6/2010: Emof Italy as a Senior Developer

Committed to create the full stack of an accountancy application in C# and Visual basic

06/2007-> 11/2009: Exprivia Italy Milan as a Senior Developer

C++ Development C# development and Banking EBanking.

05/2006-> 06/2007: Engineering Italy

C# developer and Java developer

01/2005-> 05/2006: Italian Railways Italy Software Developer

Team leader and facilitator on Agile team.

C# Multithreading and deep use of Synchronization object to parallelize tasks using .Net Framework 3.5 on Visual Studio 2005, .Net Framework 2.0/3.0/3.5 C++,C#, Windows Services, Soap Web Services, Windows Communication Foundation WCF, Sql Server 2005, Oracle database 10g, Cryptography, Multithreading. Developer C#, C++, C++ .NET, Windows Mobile. Software trainer on C, C++, C#, SQL. Windows Forms.

01/2003-> 01/2005: Wacom Italy as Lead senior developer

Team manager of SCRUM team and software manager. Intense activity of mentoring

C++, C#, Asp.net, XML,XSL,XPATH, C++, C# mixed language development Voice recognition, Voice Synthesis,

OOP c++

Developer Windows CE/Mobile Loquendo ASR Interfacing in Windows Desktop/Mobile. Support at TTS creation in mobile devices to provide voice synthesis support in IVR applications. Other projects consisting in supplying ASR Voice recognition interface to existing IVR application. The ASR engine was Loquendo (www.loquendo.it). During this project it was created a multilingual Text-To-Speech engine (English- Italian). The voice engine was built under Microsoft Windows SAPI and a standalone version was also built using Microsoft C++ MFC on Windows Server 2003 and Windows XP in real-time prosody. Such engine was developed also in Windows CE and the future Windows Mobile. Deep study of English Grammar and prosody in order to achieve optimum voice quality and optimization of voice routines in C++. The role asked also to correct flaws in an existing TTS engine which was already supplied to the IVR application. Deep instruction administered to team members in order to make them Microsoft Certified. Extensive usage of sockets and low level communication in C++. Creation of an application written in Windows Forms C# that calculates statistics of support requests for an Insurance company.

12/2001-> 12/2002: LINDQVIST Italy as IT Director

Visual Basic .Net, Sql Server 2000, XML Serialization, Windows Sockets, Visual Basic 6; Javascript VB.NET Developer on Contract by Italian Client of food manufacturing and deliver door to door. Software developer for Cash registers management in C#. During this project the candidate worked to build from scratch a client server application that served 12 terminals for orders and invoicing using Microsoft visual studio 2003 in .NET framework 1.1. The application allowed to received and store orders and load and unload of the main store without involving the production process. Also a complete ecommerce web site was built in order to provide sells on line in Asp.Net 1.1. Creation of custom software to interface Tills and to connect them in EPOS application. (C#)

01/1997-> 11/2001: Own IT Company Family Business Italy

customer care, support, sells, C++, Graphic Design, CAD.

Got a licence as Microsoft Authorized reseller. Activity of sell of personal computers, printers and software. Activity of delivery and installation. Software development in C++ and Visual Basic of routine of calculus for Surveyors, Civil engineers. Administering courses of CAD and software development to privates and students.

Works online

GITHUB and online

All repositories	https://github.com/diegomary?tab=repositories
CSS and HTML positioning	https://gist.github.com/diegomary/24480385a28a9cd35e06
GIST on ACE Multitab and JQuery UI	https://gist.github.com/diegomary/ae08efbdd7fbce33dbd6
Responsive HTML positioning	http://www.dmm888.com/Home/HtmlPositionStrategies

Javascript Samples Online	URL
Crypto sample	http://jsfiddle.net/w2r8z/1/
Callback example	https://jsfiddle.net/29Lwuaqk/1/
The new operator and prototype	http://jsfiddle.net/uu694846/1/
Object definition with overloading	http://jsfiddle.net/3gb7ha8s/1/
Closure to emulate private variable	https://jsfiddle.net/2b7b9wqv/
Deferred Promise JQuery	https://jsfiddle.net/kLjkoh77/3/
javascript handwriting animation	https://jsfiddle.net/oos3nqqh/2/
Angular handwriting animation	https://jsfiddle.net/oos3nqqh/8/
Angular directive Multiselect list	https://jsfiddle.net/diegomary/51bykx4s/19/
Matrix Manipulation HMM	https://jsfiddle.net/diegomary/6fykL8b8/1/

Relational database LINQ C#	Dependency injection and design patterns C#
Explanation of all SQL JOIN Scenarios	http://sqlfiddle.com/#!6/3e20d/1
InnerJoin with Linq to sql and lambda expression	https://dotnetfiddle.net/7krvWb#
Left Outer join with linq	https://dotnetfiddle.net/9rrkSz
Intersect and Union of 2 Sets	https://dotnetfiddle.net/FSPhts
Adapter c# design pattern	https://dotnetfiddle.net/i3EFEh
Dependency injection example C#	https://dotnetfiddle.net/n3pDms

C++

basic pointer gym

<https://ideone.com/nlsBCK>

Study on Array equilibrium point

<http://ideone.com/ldqheU>