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Profile

Senior iOS Developer.

Key Experience

- Business Strategy, Corporate Finance, Knowledge Management, Marketing, in particular Relationship Marketing and Project Management
- Team Leading, Project Management, Product development, Software Life Cycle, Agile methodologies and TDD. OOP, Patterns, Functional Style programming, Parsing.
- IT Technologies: Objective C, Xcode, Golang (GO), Swift, iOS, Mac OSX, MySQL, SQLite - Cryptography
- Previous experience: Java, C/C++, SQL, PL SQL, Web, Oracle, MongoDB; Unix, Linux, Windows, Digital electronics.
- Currently studying: RxSwift, C#, Golang, React, Java
- Languages, Italian mother language and professionally fluent in English

Education

- **MBA Master of Business Administration** (Open University Business School) 2002
- **Certificate in Mathematics (Open University) 2003**
- **Professional Diploma in Management** (Open University Business School) 2001
- **Proficiency in English as a Foreign Language** (Cambridge University)

Other studies

M865 Project Management, pass with merit, recognised by APM, British Project Managers Association and British Computer Society.

M878 “ Object Oriented Software Development”

M876 “Relational Databases”

M203 “ An Introduction to Pure Mathematics”

Professional career

FWLAB Limited Jan 2019 to present: IOS freelance.

Spreadoff Ltd (fintech startup)

4 Apr 2018 – 20 Apr 2019

Role: CTO and UK director

Contracts, pitches, prototypes and demos, Technical evaluation of feasibility, financial modelling, payment service back-end API evaluation, design, blockchain technology exploration. Technologies: iOS, Golang, Restful APIs, GIT.

hedgehog lab**30 Apr 2018 – 05 Nov 2018****Newcastle upon Tyne, United Kingdom****Role: Senior iOS Developer****Worked on a large medical app running on iPads and Web.**

Procedural and functional programming, code optimisation, performance analysis.
Technologies: Core animations (CA Layers), UIKit, Autolayout, Storyboards, Embedded View Controllers, Closures, Core Data, REST, JSON, advanced full custom layout collection views, algorithms.

Languages: Swift, mentoring colleagues on Objective C.

Methodologies: Agile, Scrum.

Tools: Xcode, Cocoapods, fastlane, JIRA, GIT, gitlab, Tower and Araxis Merge.

04 Sept 2017 05-Apr-2018**Sheffield UK - TheFlow Role: iOS Developer**

Jira-Bamboo-Bitbucket GIT based CI software development.

iOS daily maintenance activities

Comparative analysis of various iOS analytics frameworks. Developed internal analytics for a core library.

Developed a Mac Swift App displaying motion data including FFT and static information Time stamping and correlation with map position/bearing.

Maintenance of iOS apps. Production of release candidates.

- Use of the internal systems of the company for logging and diagnostic purposes, including ticketing system.

Technologies: Core Data, UIKit, Cocoapods, Autolayout.

Use of a rebase workflow with GIT.

FW LAB Association 2016 to present:

Role: Vicepresident

Collaborating with several startups.

Validation of business models, Lean methodologies.

Teaching practical electronics and microcontroller programming courses (mostly Cypress PSOC ARM32 C).

FW LAB Company Italy 01 / 2011 - 12/ 2015 (Partner) Role: Main technical lead, iOS developer

Software development - iOS development: iOS, Core frameworks, UIKit, OpenGL, REST, XML, JSON, Antlr3 text parsing and transformation (transpiling), Wavefront OBJ and 3D graphics, Golang, XMPP real time communication, Push messaging, OOP, Programming Patterns, Finite State Machines, Geolocation (several map frameworks, core location). Computer Vision (OpenCV on iOS).

Several applications developed on iOS for clients, including full stack development with Golang Back end.

R&D activities within FWLAB company (Milan).

frameworks integration, interfacing hardware devices with iOS, including Blue Tooth BLE. Proof of concepts with assistive technologies, computer vision and augmented reality.

Integration of third party languages on iOS. Swift.

Self employed 03 / 2006 - 02 / 2011 role: software developer

iPhone / iPad independent software developer.

Technologies: iOS programming, XML, REST

Web technologies: HTML5, CSS3, Apache, NGINX, Java Struts, Wordpress, Joomla.

Neticon Srl (Milan) Team Leader (contractor)

Java - PLSQL . Team leader and Project Manager.

Project management, requisites analysis, client facing and negotiation. XML, Java Swing, regular expressions.

Altran (Turin) Senior Consultant (contractor) Senior consultant-architect 10 / 2009 - 04 / 2010

For SIPRA, in Turin: architecture of part of the IT system of SIPRA, for the digital management of TV and Movie advertisement. Client Facing, requisites negotiation. Designed the Oracle DB connector, Implemented most of the Java classes and part of the PLSQL business logic.

For Buongiorno SPA (now DTT Docomo) role Java Developer in Milan: participated the development of a digital marketing platform, optimising the performance of the system. Management dashboard Technologies: MVC, Tomcat, Apache, Load balancing, TDD, Eclipse.

Contractor for ITSoftware, Banca Carige, UBI CS and several others 10 / 2008 - 09 / 2009

Contractor 03/2006 - 12/2007

Senior Unix/Oracle PLSQL developer

Development/ maintenance of financial financial stock trading communication systems - Java for IT Software SPA.

Main Technical lead of a small team for Accenture for Banca Carige (contractor) Design and development an interface between a Kondor+ positioning system and a legacy money markets trading system based on Mainframe technology - Java and Websphere MQ (aka MQ Series). - Pre-sale Evaluation of web technology. Assisting Project management and control tasks for UBI Centrosystem (Banking).

Troubleshooted a Certification Authority based on LUA.

Hal Knowledge Solutions (Milan) 09 / 2005 - 03 / 2006

Senior C/Oracle Unix developer - XML, Unix, Oracle, C, recursive algorithms.

BPU (Bergamo) 09/2004 - 09/2005 Contractor at BPU, "ufficio titoli" financial products office evolutive management: Oracle, Bank Financials application maintenance, C, Unix Shell, SQL, PL/SQL

AtosOrigin (Milan) Analyst 2004 - 2005

09 / 2003 to 03 / 2004 Shlumberger SEMA, merged with AtosOrigin: UML, Object Oriented methodologies for Health Services.

AGS Srl. 10 / 2001 - 02 / 2003 Role: Business Analyst UML, financial modelling.

Vodafone (Milan) 01 / 2002 - 03 / 2002 role: Programming tester Automated tests programming and design.

Software AG (Milan) 07 / 2000 - 10 / 2001 role: Analyst & Oracle / C++ developer

For Instrumatic, merged into Software AG.: XML, UML, Oracle. Analysis, Design and Implementation. Design of a XML data transfer for Siemens Cerberus Data and troubleshooting/analysis of tetra protocol for Marconi. Designed the porting and test methodology of CCBS system for Vodafone.

Gepin Engineering (Milan) 11 / 1998 - 05 / 2000 Team Leader/Analyst, Senior Unix troubleshooter. Client server. Object oriented design. Style analysis and evaluation of a very large code base. TCP/IP Communications, data bases. Leading an outsourced military standards project for Augusta Westland (Logistical Information Management System for Italian Navy EH101 helicopter Maintenance) C/C++, Unix, SQL, Project management & team leading. CA Ingres/ OpenRoad (object oriented).

GCU 01/1998 - 11/1999 Oracle/Unix developer

Insurance back end. Maintenance of Life insurance IT. Cobol, UNIX, Oracle.

PrideSpa 11/1996 - 11/1997 Software Engineer-designer Telecom software design and maintenance. Object oriented design and analysis. Unix, Vax VMS. C, C++

CD ROM Paradise Srl 01 / 1993 - 01 / 1997 CEO

CD ROM Multimedia Application Design. Sales and Marketing - Macromedia multimedia products.

Olivetti Systems Engineering Unix developer

Advanced Unix systems programming: reverse engineering and project recovery.

Several clients Firmware developer for several clients - 1996 - 1997 1989 - 1993 many embedded systems including an industrial scale, real time control of an automated press for the pharmaceutical industry, a gas measurement device, a cryptographic board based on 8051 with Data Encryption Standard, infrared remote control

Eltrac 10 / 1990 - 03 / 1991 Firmware developer R&D engineering branch of the IVECO group. 8051 ASM firmware development for IVECO. Automotive (trucks). Development of gear shifting/brake control & diagnostics.

MAST Informatica 1988 - 1991 Firmware developer programming consultant/designer for several clients (Olivetti, Necsy, Eltrac/Iveco, Italtel). Real time.

Olivetti 1988 - 1990 Contractor - Firmware developer R&D SCSI Firmware for Mini-computers. Unix Programming. Real time i8086. C DES implementation.

Participated as a developer to 2 projects in the aerospace industry. Z80 Assembly.

JCE 01/1983 - 01/1987 Technical Journalist for practical electronics magazines, 50 published articles