



Software Engineer: Senior Software Developer

Career Summary

Experienced Software Developer with broad skills gained over a 17+ years' career across several sectors. Able to deliver Web, Android or iOS Mobile applications both native and cross-platform with Ionic, React Native or Flutter, lot of experience in developing custom plugins for cross-platform framework, experience in C/C++ software development, also with QT GUI, OOP development experience on Java and Python projects, Bash scripting, MySQL databases project and deploy. Experience as AWS architect, currently studying to achieve the AWS Certification. Passionate to Computer Vision and Machine learning. Please note that I'm already in Auckland and I'm already able to work as I'm on a Permanent Resident Visa.

Profile

- ▶ Put 100% into every new project and eager to learn new things
- ▶ Able to decide which programming language is most relevant on a specific task
- ▶ Broad experience in both back-end and front-end Web Application development
- ▶ Strong sense of code readability and reusability to achieve effective results and low-cost of maintenance
- ▶ Effective in programming by contract and able to use code versioning tools for developer team working
- ▶ Multiple year experience, also as self-starter, in Linux server setup and common services deploy; knowledge in managing network security issues and system backup solutions

Work Experience

CLOUD ARCHITECT & FULL-STACK SOFTWARE DEVELOPER; BEDC.AI; AUCKLAND, NEW ZEALAND; 2021 - CURRENT

I'm in charge of maintain and evolve the workflow management application that interacts with the AI back-office and serve as an interface (through the web portal) to the human staff and to our clients so that the various actors are notified and can keep track of the state of their work. I specialised also in evolving the Cloud Infrastructure (AWS based) from a standalone server to a server-less event-driven architecture.

CLOUD ARCHITECT & FULL-STACK SOFTWARE DEVELOPER; COLENZO BBDO; AUCKLAND, NEW ZEALAND; 2019 - 2021

I'm in charge of develop ad-hoc solution and prototypes for their clients by using cutting edge technologies. As part of the digital department we're working on maintaining a long list of work and develop concept or bring prototype to life as production-ready products.

CO-FOUNDER AND SENIOR SOFTWARE DEVELOPER; LITOSOFT LIMITED; EARTH; 2016 - 2021

Born from a group of coders we are a full service software development agency. We are an innovative start-up specialized in industry 4.0, IOT and system integrator. We aim to build a multi-cultural and distributed group of people across New Zealand and Italy to deliver cloud and mobile solutions to our customers.

CTO CO-FOUNDER; UTAKE LIMITED; AUCKLAND; 2018 - 2019

Joined this startup that aims to revolutionise the way we ship parcels through our brand new Uber-like parcel delivery service. I'm in charge of leading the development of the fist release of the React Native mobile application and the Node.js powered API service. The app allows the user to track real-time location of their parcel while they are on their way to the destination address cared by our driver users fleet.

SENIOR SOFTWARE DEVELOPER; ONLINE REPUBLIC; AUCKLAND, NEW ZEALAND; 2017 - 2018

I'm in charge of develop and maintain the core sites based on PHP, SQL-Server databases and connected micro-services to serve an online price aggregation and booking system around the car, motorhome rental and cruises.

SYSTEM ARCHITECT AND NODE.JS SOFTWARE DEVELOPER, CLEVERGY, ITALY; ITALY – 2016-2017

Fabio Cigliano

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I was in charge of project and develop a Cloud Infrastructure hosted on Microsoft Azure and based on Linux and Node.JS, MongoDB and SQL-Server databases. The purpose is to build a Smart Parking platform which receives a big amount of data from a network of sensors, which sense for occupancy of a parking stall. This application is required to achieve a high scalability and capability to adapt to a various set of different applications such as: mobile app for payments, violation alert, analytics, building automations and more.

FULL-STACK SOFTWARE ENGINEER, SHOWCASE SOFTWARE LTD; WELLINGTON, NEW ZEALAND – 2015-2016

I joined this firm to follow the Android and iOS mobile native applications development, which were the core product named Showcase Workshop, used by about many thousand of professionals as a sales support instrument. I achieved in just one the 3-week goal assigned to me from my supervisor and gave a real help on the App improvement by fixing a bunch of bugs tracked with RayGun, GitHub issues. I've also contributed to update and fix the web api that serves the App.

SENIOR SOFTWARE DEVELOPER, DEUS TECHNOLOGY; MILAN, ITALY – 2014-2015

I joined a large dev-team (11 developers), in particular the back-office team, to work on its T1 software product used by financial agents and bank institutes to profile clients, print financial reports, and manage historical series. Here I enhanced my knowledge of Python programming especially in ETL data parsing, multi-thread programming, Memcache, algorithm benchmarking. I took part of projecting a high complex, by using multi-threading and MQ, to develop this financial automatic advisory system that have to handle large amount of data, guarantee time performance and stability for many important bank institutes. I've also acquired a lot of experience in team working, code versioning and code deploy operations.

SOFTWARE DEVELOPER, EXATEL SRL; GRASSOBBIO, ITALY - 2012-2014

In this medium-size firm, which manage PBX telephonic systems, my role was to develop software solutions related to their clients. When I moved here I've also assisted another colleague in a farm switch to the VMWare vSphere virtualised environment and the related setup of all the Linux CentOS servers like databases, web servers, Asterisk PBX, DNS name server, etc.. as well as setup the backup system for daily snapshots and disaster recovery. Furthermore I've studied iOS programming language and realised many different demo applications for our clients.

SOFTWARE DEVELOPER, GCODE SRL; GRUMELLO DEL MONTE ITALY - 2009-2012

We were a three-developer sized firm and we handled a lot of interesting ad hoc projects like web application. I was a pioneer on studying first Augmented Reality solutions from standalone Flash applications to mobile Apps. And here I had the chance to study Android, on my own, to realise after just a week my very first app for a demo to the client; it was a real challenge since I had never programmed Android before that moment. I've also attended a course for Cinema4D computer graphics software.

WEB FRONTEND DEVELOPER INTERNSHIP, TEKNET SRL; TELGATE - 2007-2008

In this small-size firm which provide personalised web-sites, newsletter and advertising to promote its clients, I had chances to increase my skills in HTML, CSS and Javascript front-end development to supply customer requests. I had to face the challenging problems for bringing Photoshop graphic ideas to HTML pages.

PHP DEVELOPER INTERNSHIP, TEINOS SRL; TORRE DE ROVERI - 2006

Enhanced PHP knowledge and successfully optimised SQL Queries to maximise time effort, even on complex and large dataset to build a search engine for their software product, named *Paris*, who were deployed as hospital document and report archive system. After so many years, I'm still in touch with those people as I gave a great impression with my skills and personality.

Qualifications

- ▶ Polytechnic Of Milan, Italy - Bachelor of Science, degree in Computer Engineering, 2007-2014

GPA: 3.75 - Italian scoring system: 90/110

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Thesis: "Study and implementation of an OCR for remote reading of gas and water meters"

It this project I worked with C++ and OpenCV and also applied the software library on an iPhone app named *fabioOCR*, to test the Optical Character Recognition algorithm onboard.

For more information check the webpage: http://doc.fabiocigliano.net/Progetto_OCR

- ▶ ITIS Paleocapa, Bergamo, Italy - Undergraduate degree, Informatics Engineering, 2002-2007

GPA 3.75 - Italian scoring system: 97/100

Thesis: "Workflow management systems: case study on automotive sales"

For more information check the webpage: http://doc.fabiocigliano.net/Tesina_WFMS

OTHER RELEVANT STUDIES / ONLINE COURSES THAT I'VE ATTENDED:

- ▶ Introduction to Artificial Intelligence (AI-Class) by Stanford University
- ▶ CS 373: Programming a Robotic Car by Udacity
- ▶ CS 101: Building a search engine by Udacity
- ▶ Computer Vision: Course by Jitendra Malik
- ▶ CS 344: Intro to Parallel Programming by Udacity

Certification

- ▶ Cisco CCNA1 - 2007
- ▶ IELTS Language Certification - Overall band score of 6.5 - 2014

Language Skills

- ▶ Italian - Mother tongue
- ▶ English - Competent User (as IELTS)

Transferable Skills

- AWS
- Flutter
- React Native
- Node.JS
- MongoDB and Mongoose
- Git
- React.js
- Docker for application sandboxing and distribution, also on CI/CD environments
- Relational databases (DBMS, MySQL, Oracle, Microsoft SQL Server)
- Android native application development (Java + basic Kotlin)
- iOS native application development (Objective C + basic Swift)
- Backend development for either API or back office environment
- Linux OS setup and maintenance (experience on CentOS, Amazon Linux, Debian, Raspberry PI)
- Bash Unix shell scripting
- Python for scripting and high complexity software projects
- Java programming: OOP and TDD programming patterns, data modelling
- Algorithm Benchmark and unit testing
- Computer Vision algorithm with OpenCV and C++ or Python programming languages
- SSL and certificate signing, request and related issues debugging
- Git code versioning

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