

INFORMATION

Pasquale De Rose



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Gender M | Date of Birth 20/10/1992 | Nationality Italian

WORK EXPERIENCE

07/03/2019 – CURRENT
Rome, Italy

Full Stack Developer/Solution Architect/Teach Lead EY

Description:

Development and management of Full Stack Web solutions that rely on Blockchain technology, both public and private, and digital identity using DevOps methodologies.

Project:

- Solution architect for a research project commissioned by the European Union on the uses of Blockchain in the financial sector.
- Developer of a Relying Party solution, following the specifications inside the European ARF and to the Italian specifications, using SaToSa framework.
- Developer of backend for a POC aimed to use AR applications, using Microsoft Hololens, to help postal operators to sort parcels.
- Developer of an SSI solution using Veramo Framework and the Ethereum based private blockchain Besu.
- Lead developer of a solution of a hardware, ARM CPU based, Identity Wallet using EBSI ecosystem.
- Tech lead, solution architect and developer for a project with the aim of developing an SSI Wallet using the EBSI framework.
- Solution architect and developer of a project commissioned by the EU for the creation of a social network based on knowledge graph algorithms.
- Part of the team that created a platform for food trading and tracking based on Ethereum Blockchain and MEAN stack where I developed backend and database.
- Part of the team that has designed and implemented a solution for fight the fake news with the use of blockchain and artificial intelligence where I developed the integrations tools and plug-ins.
- Member of the team that has created a platform for tracking the movements of food products where I occupied the role of backend and frontend developer where I also integrated the Google Analytics services.
- Member of the team that has created a POC for track the people employments in different countries in a private blockchain where I developed the backend and database side.
- Developer of a mobile solution for OCR (optical character recognition) integrated in different projects.
- Developer of different tools that automates the monitoring task on blockchain.

Technologies:

NodeJS, Javascript, Typescript, VueJS, React, Svelte, Express, Apache, Nginx, MongoDB, MySQL, Postgres, Python, Solidity, Ethereum, Quorum, Besu, C.

Development environment:

Linux, Windows, Mac OsX, Visual Studio Code, Git

Role:

- Developer Solution
- Architect Tech
- Lead

07/2018 – 03/2019
Cosenza, Italy

IoT/Blockchain Developer**BlockChain Governance****Description:**

Developer of embedded IoT systems based on Bosch XDK110, ESP32 and Raspebbry Pi, and gateway applications that use the features of decentralized systems such as BlockChains or Tangles. Programming of Smart Contracts on the Ethereum network with the use of the Solidity language. Administration and maintenance of Ethereum network nodes, Bitcoin (including the Lightning Network layer) and IOTA on Linux machines.

Technologies:

Bosch XDK110, ESP32, Raspebbry Pi, C, C++, Python, Javascript, Bitcoin, Ethereum, Iota, Solidity.

Development environment:

Linux, Eclipse, GCC, Visual Studio Code

Role:

- Development
- Project manager
- Analyst

Address:

Cosenza, Italy

06/2018 – 03/2019
Cosenza, Italy

Full Stack Developer**ProjectLife Calabria****Description:**

Development of a CMS for the generation of attachments needed to document the internships practices for the Calabria region. System management of Linux servers and the services running on them.

Administration and maintenance of computer labs.

Technologies:

PHP, Python, Ruby, PostgreSQL, VueJS, JQuery, Javascript, Linux.

Development environment:

Linux, Visual Studio.

Role:

- Development
- Project manager
- Systemist
- Analyst

Address:

Cosenza, Italy

10/11/2017 – 13/02/2018
Cosenza, Italy

IoT Developer

Comcast Silicon Valley Innovation Center

Description:

Firmware developer for embedded systems based on Espressif processors and analyst of solutions for management and the maintenance of groups of IoT devices.

Technologies:

Esp8266, Esp32, OpenRTOS, Mongoose Os, Python, Javascript, Mqtt.

Development environment:

Linux, Gcc.

Role:

- Develop
- Analyst

03/01/2016 – 25/12/2017
Cosenza, Italy

Developer

Coopyleft, 18appSDK

Description:

Development of embedded solutions for monitoring server rooms and anti-theft systems. Developer of Magento plug-ins aim to integrate services of the Public Administration (Carta Del Docente, 18App).

Technologies:

Php, Magento, Nginx, Python, Raspberry Pi, Arduino.

Development environment:

Linux.

Role:

- Develop
- Analyst

ISTRUZIONE E FORMAZIONE

20/09/2013 – CURRENT
Rende, Italy

Studies in Computer Science,

Unical

With my studies in Computer Science, I am getting programming skills in the field of system applications, artificial intelligence, graphic applications, web-oriented software and basic knowledge of systems and theoretical computer science.

01/02/2009 – 01/05/2009
Cosenza, Italy

European Computer Driving License (E.C.D.L.),

Istituto Tecnico Commerciale G. Pezzullo

Supported exams:

- Computer Essentials
- Online Essentials
Word Processing
Spreadsheets
- Theory

15/09/2006 – 30/06/2011
Cosenza, Italy

Accountant Expert

Istituto Tecnico Commerciale G. Pezzullo

Description:

During my studies, I obtained skills in the field of national and international economic phenomena, civil and fiscal legislation, company systems and processes (organization, planning, planning, administration, finance and control), marketing tools, insurance products- financial institutions and the social economy.

LANGUAGE AND COMMUNICATION SKILLS

Native Language

Italian

Other Language

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
English	B2	C1	B	B2	B2
Japanese	N5	N5	N5	N5	N5

Communication and interpersonal skills

Communication skills gained during the work of journalist for the Punto Informatico magazine and as organizer of cultural events for HackLab Cosenza and Mozilla Campus Club.

ORGANISATIONS SKILLS

Organisations skills

Team-leading skills acquired during my volunteering experience as Club Capitan at the Mozilla Campus Club Cosenza.

Project management experience acquired in the development of various projects during my working experience in ProjectLife Calabria, Blockchain Governance and EY.

JOB-RELATED SKILLS

Job-Related skills

Operative Systems: Linux, Windows, OsX

Programming languages: C, Java, Kotlin, Python, PHP, Javascript, Typescript, C#, F#, Go, Solidity
Web Framework: NodeJS, Django, Express, Flask, VueJS, React, Svelte, JQuery, ASP.net, Spring Boot

Virtualization and Containerization Systems: Docker, Vagrant, VirtualBox

Database: Standard SQL, MySql, MariaDB, PostgreSQL, MongoDB

Embedded OS: FreeRTOS, Mongoose Os

Embedded Platforms: Arduino, Esp8266, Esp32, Raspberry PI

Development tools: Visual Studio Code, Eclipse, Git.