

# Mattia Di Luca

## Software Engineer | Developer & Designer | DevOps Engineer

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Dubai, UAE



Team leader (of Industry X department) and DevOps engineer

After completing the bachelor degree in Information and Automation engineering, I started developing simple solutions for IoT in Accenture Industry X. During this time, I worked with CI/CD tools and cloud infrastructures like Azure and AWS. I developed and deployed REST applications (Java apps based on Spring, Spring Boot, Jersey, JBoss and in Python using Flask) and Android application development and testing. After switching team for a new project, I started setting up a process monitoring infrastructure with Apache Kafka, JMeter, Logstash and Nagios. In the last project I have been working on serverless applications making use of Docker and Kubernetes. I have been studying in my free time about automated deployment of multi-component infrastructures and automated testing of mobile applications.

In the last year I have worked as DevOps & QA engineer in a cybersecurity company in UAE.

At the moment I'm working as consultant with an UAE freelance visa. I'm searching for full time positions and I can switch to employment visa at any time.

## COMPETENZE

<b>Software Developer</b>	Java EE, Maven, C/C++, Meson, Python, JavaScript, NPM, PHP, Bash
<b>DevOps</b>	Kubernetes, Docker, Docker Compose, Ansible, ELK, Filebeat, Gitlab CI/CD, Grafana, Keycloak, Nexus, Terraform, Kustomize, Helm, Kiali, Istio, Prometheus, MetalLB, YouTrack, Dynatrace, JMeter, Nagios, Apache AB, Ansible, ELK, Proxmox
<b>Frameworks/Tools</b>	Eclipse Kura, Apache Camel, Flask, JBoss, Jersey, Spring, MQTT, Apache Kafka, Apache Zookeeper, Git, Git Submodules, UTM
<b>Data Base</b>	SQLite, MySQL, Oracle DB, SQL Server, NoSQL DB, Data Lake, Mongo DB
<b>IDE</b>	Eclipse, IntelliJ Idea, Android Studio, xCode, Visual Studio
<b>OS</b>	Windows 10, Mac OS, Linux basate su Debian, RHEL, CentOS, Arch
<b>Certifications</b>	CCNA Exploration : Network Fundamentals, Microsoft Certified : Azure Fundamentals, AWS Certified Cloud Practitioner

## PROFESSIONAL EXPERIENCES

On Going  
May 2023

### Confidential, CYBERSECURITY, DevOps Engineer / QA

Responsible of processes of build, release and test of applications. I have created the virtual machines and setup and configured the Kubernetes cluster and monitoring system.

- > CI CD pipeline on Gitlab EE
- > Application release and deploy
- > Automatically message send for each build
- > Automatically issue open on YouTrack on condition
- > Tools for automatic data check and analysis
- > Infrastructure as Code to create virtual machine
- > Setup and configuration of self-hosted Kubernetes in HA
- > Cluster monitoring

Gitlab EE Gitlab CI/CD Mongo DB ELK (Elasticsearch Logstash Kibana) Filebeat Kubernetes Docker  
Docker Compose Kustomize Helm Kiali Istio MetalLB Prometheus Keycloak Nexus Apache Kafka  
Apache ZooKeeper MQTT Apache AB Visual Studio Meson NPM YouTrack Git GitSubmodule Grafana  
Ansible RHEL Terraform Proxmox UTM MacOS Python Proxmox Bash

April 2023  
January 2018

## Accenture Digital, INDUSTRY 4.0, Developer / Team Leader / Designer IoT

Deploy of mobile applications for iOS and Android, microservices in Java EE for the backend, deploy and manages of microservices on EKS.

- > Serverless projects (Docker & Kubernetes)
- > Clouds (Azure, AWS)
- > Android and iOS application
- > Deploy of microservices on EKS
- > Dev & Testing
- > Dynatrace setup to microservices monitoring Gestione dei dati su SAP BW con script in ABAP e creazione di maschere per la visualizzazione dei dati.
- > Migration of integration platform (Git repository and Jenkins's job)
- > Data analysis tools

Apache Tomcat XAMPP IntelliJ Idea Eclipse IDE Visual Studio Maven Eclipse Kura Jenkins Git BitBucker  
Bamboo Sourcetree JMeter Nagios AWS Kubernetes Docker Microsoft Azure MySQL SQLite Oracle DB  
SQL Server Kusto Logstash Dynatrace

December 2017  
May 2016

## Accenture Technology, SAP BUSINESS INTELLIGENCE, ABAP Developer

Data management on SAP BW with ABAP script and creation of mask to data visualizing.

- > Write Excel plugin using SAP Analysis for Office
- > Data flow creation and management (BW OLAP Hypercube, ABAP Body, FOX Script)

SAP BW SAP EPM SAP Query BEx SAP BW/4HANA ABAP Eclipse Modeling Tools for SAP BW/4HANA

March 2016  
April 2016

## SPEE, ALARMS, Software Developer

- > Write C/C++ firmware for Arduino component
- > Web server based on Flask framework

PyCharm Visual Studio WebStorm GitLab

## LANGUAGES

Italian ● ● ● ● ●  
English ● ● ● ● ○

## SOFT SKILLS

- > Positive
- > Problem solving attitude
- > Team player
- > Ability to accept and learn from criticism

## ACADEMIC EDUCATION

2008 - 2016 Bachelor's degree in Software engineering at University of Study of L'aquila (Graduation grade : 93/110)  
2019 - On going Master's degree in Software engineering specialist at Alma Mater Studiorum (University of Bologna)

AUTORIZZO IL TRATTAMENTO DEI DATI PERSONALI AI SENSI DEL D. LGS. 196/03