

# LUIGI CLEMENTE

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## EXPERIENCE

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### **ATS S.p.A.**

October 2018 - Present

*Full Stack Developer — DevOps*

*Milan*

- Development of BlinkS platform, a digital marketplace for non performing loans trading. Restful backend written in Scala with AkkaHttp and Angular for the frontend.
- Design and implementation of rest api and Angular components.
- Design and implementation of unit test (using ScalaTest, ScalaMock and scala macro).
- Design and implementation of release and build pipelines using GitLab CI tools.
- Configuration of test and production environment on Azure (k8s, MySQL).
- Application deploy on k8s.
- Securing application using ModSecurity with CRS and custom rules on ingress nginx.

### **SIA S.p.A.**

January 2018 - September 2018

*Backend Developer*

*Milan*

- Development of the new version of the message broker of PagoPA® system (named “Nodo dei Pagamenti SPC”), a reactive system which uses Scala, scalaxb, Akka and Akka Cluster to handle payments flows between the involved stakeholders and the government.
- Design and implementation of tests for “Nodo dei Pagamenti SPC” (using Scalatest).
- Design and implementation of application-based release pipelines with Jenkins.
- Release of application components on OpenShift cluster in test environment.

### **Exprivia S.p.A.**

May 2016 - December 2017

*Lead Developer*

*Molfetta*

- Design and implementation of an engine, using TypeScript and Angular2, able to emulate Oracle Forms functionality and therefore run old oracle forms application on modern browsers.
- Maintenance of a tool to convert Oracle Forms save files into JSON/TypeScript format files, using Java and ANTLR.
- Use of git and gitflow to manage the development process.
- Design and implementation of widgets for the home banking of Banca Mediolanum, using Google Closure lib, D3js and C3js.

### **ApuliaSoft S.r.l.**

October 2015 - Present

*Senior Developer*

*Bari*

- Development of www.dolcidee.it, a web community where people can share recipes and cooking advice, using PHP and Symfony 2.
- Design and implementation of a Slack bot, written in JavaScript and deployed on Heroku, that help monitoring activities and happiness of the employees through questions made by the bot at the end of every working days.
- Design and implementation of a tool to optimize the disposition of articles into pallet displays for supermarkets, using TypeScript and Angular2.

### **My Special Gift S.r.l.s., Startup**

April 2013 - May 2014

*Full Stack Developer*

*Bari*

- Design and development of the My Special Gift platform through which you can create shared gift lists and where your friends can pay a stake through a PayPal account, using HTML, CSS and PHP with Yii.

## DigitalCopy S.r.l.

Developer

August 2010 - March 2013

Altamura (BA)

- Maintenance of a management software for small and medium sized supermarket, using Microsoft Access and VB6
- Design and development of a cash register software for supermarket, using C# .NET 4 with Microsoft WPF, dapper.net and sqlite
- Design and development of a management software for small and medium sized supermarket, using C# .NET 4 with Microsoft WPF, nHibernate and SQLServer

## TECHNICAL STRENGTHS

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**Operating Systems**

Windows, MacOS, Linux

**Main programming languages**

Java, Scala, JavaScript, TypeScript, C#

**Other scripting languages and runtime**

Node.js, PHP, Python, Rust, R, SQL, HTML/XML, CSS

**Frameworks and libraries**

Apache Spark, Akka, Angular JS, D3js, C3js

**RDBMS**

MySQL, PostgreSQL, SQL Server

**NoSQL**

MongoDB, Elasticsearch, Redis

**Other software**

Git, SBT, Eclipse, IntelliJ, Vim

Visual Studio, Kibana

**Others**

Docker, Jenkins, Microsoft Azure

## EDUCATION

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**University of Bari “Aldo Moro”**

April 2016

*BCs in Computer Science, 110/110*

*Bari*

Thesis: Applicazioni di Reti Neurali Ricorrenti al PoS-Tagging di Testi

## CERTIFICATIONS

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**Coursera**

2017

- Functional Programming Principles in Scala (License number: 85UUFRQVJ75F)
- Functional Program Design in Scala (License number: BYV4DHVGYYDU)
- Parallel programming (License number: 6BX9A2UTCAX)

**MongoDB University**

2014

- M101P MongoDB for Developers

## LANGUAGES

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**Italian**

Native speaker

**English**

Intermediate level, written and spoken