Experience

AgileLab
Milan

DATA ENGINEER
October 2020 - Present

- Design and development of DataMesh platform for the Enel data warehouse using Dremio, Spark, Springboot with Java, Scala and Python.

Dottori.it
Milan

BACK-END SOFTWARE ENGINEER
September 2019 - October 2020

- Development and maintenance of Dottori.it, a web platform that aims to help people find the best doctor for their needs.
- Design and development of a microservices architecture using Elixir, Phoenix and Ecto with PostgreSQL.
- Design and development of services unit tests using ExUnit.
- Services deployment on Kubernetes cluster.

ATS S.p.A.
Milan

BACK-END SOFTWARE ENGINEER | DEVOPS (AS APULIASOFT EXTERNAL CONSULTANT)
October 2018 - August 2019

- 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 development of rest api and Angular components.
- Design and development of unit test (using ScalaTest, ScalaMock and Scala macro).
- Design and development of release and build pipelines using GitLab CI tools.
- Configuration of test and production environment on Azure (Kubernetes, MySQL).
- Application deployment on Kubernetes.
- Securing application using ModSecurity with CRS and custom rules on ingress nginx.

SIA S.p.A.
Milan

BACK-END SOFTWARE ENGINEER (AS APULIASOFT EXTERNAL CONSULTANT)
January 2018 - September 2018

- Development of the new message broker version 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 development of tests for "Nodo dei Pagamenti SPC" (using Scalatest).
- Design and development of application-based release pipelines with Jenkins.
- Release of application components on OpenShift cluster in test environment.

Exprivia S.p.A.
Molfetta

SOFTWARE ARCHITECT (AS APULIASOFT EXTERNAL CONSULTANT)
May 2016 - December 2017

- Design and development 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 development of widgets for the home banking of Banca Mediolanum, using Google Closure lib, D3js and C3js.

ApuliaSoft S.r.l. *Bari*

Full Stack Software Engineer *October 2015 - August 2019*

- Development of www.dolcidee.it, a web community where people can share recipes and cooking advice, using PHP and Symfony 2.
- Design and development 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 development 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 *Bari*

Full Stack Software Engineer *April 2013 - May 2014*

- 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. *Altamura (BA)*

Full Stack Software Engineer *August 2010 - March 2013*

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

Skills

Programming	Elixir, Scala, Java, TypeScript, C#, PHP, Python, SQL
Front-end	HTML5, SASS, LESS, Angular
Databases	MySQL, PostgreSQL, SQL Server, MongoDB, Elasticsearch, Redis
Back-end	Phoenix, Ecto, Apache Spark, Akka
DevOps	Kibana, Docker, K8s, Microsoft Azure, AWS
Tools	Git, IntelliJ, Vim, VS Code, Tmux
Languages	Italian, English

Education

University of Bari "Aldo Moro" *Bari*

BCs in Computer Science, 110/110 *April 2016*

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

Certifications

The Linux Foundation *2021*

- Certified Kubernetes Administrator (License number: LF-c55jbv7gct)

Coursera *2017*

- Functional Programming Principles in Scala (License number: 85UUFRQVJ75F)
- Functional Program Design in Scala (License number: BYV4DHVGYYDU)
- Parallel programming (License number: 6BX9A2UTCGAX)

MongoDB University *2014*

- M101P MongoDB for Developers