europass Curriculum vitae

PERSONAL INFORMATION

Michele Pierri

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Date of birth 13 Jul 1987 | Nationality Italian

WORK EXPERIENCE

Nov 2018–Present — Software Engineer

Findomestic, Firenze (Italy)

Software Engineer within the team that manages the product cards and digital payments.

My work includes:

- meeting with the functional analysts of companies and partners for the development of projects related to the company's business
- support of external developer that work within my team and junior developer
- Java development according to TDD.

My work involves the use of the following technologies: Spring and Spring batch framework, Junit, Jenkins, SOAPUi, Jmeter, Postman, Putty, Oracle Sql, Splunk.

17 Jul 2017–Nov 2018 — Software Engineer

IBM Client Innovation Center, Firenze (Italy)

Analysis and development of REST services within a microservices architecture with Continuous Delivery engineering approach.

I was involved in two Agile teams that was organized by Kanban and Scrum Agile approaches.

I was involved in the planning of the microservice architecture and in meetings about clients needeeds.

My work involves the use of the following technologies: Java EE 8, Java Spring Framework, TDD, JUnit, DB2, Mulesoft ESB, Elastic Stack and the Jenkins as CI / CD tools, SoapUI, JMeter, Postman.

Nov 2015–14 Jul 2017 — Java Developer

Bridge Consulting S.r.l, Firenze (Italy)

Software Engineer in the Team of Distributed Systems and New Technologies. I gained knowledge in the development of SOA solutions for integration through ESB technologies (Oracle ESB and Mule ESB).

EDUCATION AND TRAINING

2011–Nov 2016 — Master's degree with honors in Computer Engineering

Università degli Studi di Firenze, Firenze (Italy)

Analysis and development of a solution and a base of semantic knowledge for the estimation of potential damage deriving from potentially catastrophic natural events.
In this experience I developed an ontology able to formalize and analyze the potential damage deriving from the occurrence of natural events on the territory.
This knowledge has been integrated into KM4City (Knowledge Model 4 the City), an integrated and

unified ontology for Smart City.
The developed system has been tested and validated using seismic and pluviometric event scenarios on the Florentine territory.
The integration of ontologies allowed me to develop a software solution able to automatically process the two structured knowledge. This processing allows the constant assessment of potential damage, when extreme natural events occur through the analysis of big data coming from the smart city.

2006–2011

Bachelor's degree in Information Technology Engineering

Università degli studi di Firenze, Firenze (Italy)

The internship focused on porting a framework for the estimation and projection of ecological niche models (Ecological Niche Model, ENM) on a Cloud Computing platform for distributed computing. The aim of the activity was to evaluate the benefits of distributed computing in the development of the distribution of species under different climate change scenarios. The availability of on-demand computing power provided by the infrastructure of Cloud Computing makes it possible to devise a parallel in different scenarios of climate change, with more species, and with the use of different algorithms.

The activity was held at the Laboratory ESSI-Lab (Earth and Space Science Informatics Laboratory) of the National Research Council, in the framework of the existing agreement with the PIN of Prato.

PERSONAL SKILLS

Driving licence: B

ADDITIONAL INFORMATION

Expertises: My expertises involves the following technologies:

- **Project management:** Agile Scrum/Kanban
- **Languages**: Java EE, Php, Javascript, HTML/CSS
- **Software development process:** TDD
- **Framework Java**: Spring
- **Cloud Services (IaaS)**: Amazon EC2, Amazon S3
- **Continuous integration software:** Jenkins
- **DB**: Oracle SQL, MySql, RDF/SPARQL, H2, DB2
- **Versioning systems:** SVN, Git (git flow branching model)
- **Application Server**: Oracle Weblogic, Apache Tomcat, Virtuoso, IBM WebSphere, WildFly
- **HTTP Server**: Apache HTTP Server Project
- **Secures SOA architecture:** Oracle Api Gateway (OAG)
- **Ontology Editor**: Protegè
- **IDE**: Eclipse, Oracle JDeveloper, Oracle Enterprise Pack for Eclipse, Netbeans, Mulesoft Anypoint Platform, DBeaver
- **Operative systems:** Microsoft e Linux based.
- **Enterprise content management:** Alfresco
- **Collaboration tools**: Slack, Trello

Pubblicazioni

- Modelling Climate Change Effects on Species Distribution using a Cloud Computing Infrastructure

Trattamento dati personali: Autorizzo il trattamento dei miei dati personali ai sensi dell'art. 13 d. lgs. 30 giugno 2006 n°196 – "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 – "Regolamento europeo sulla protezione dei dati personali".

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