LAURA VETTORELLO

Position: Software Analyst and Developer at MEEO s.r.l., Ferrara, Italy
Years Professional Experience: 10

SUMMARY OF EXPERIENCE
Laura Vettorello is software analyst and developer at MEEO srl. During her 4 years of experience she has gained knowledge of:

- IDE/Editor: Visual Studio Code, Vim, Atom, Geany
- Languages: Python2.7, Python3, Bash
- Database: PostgreSQL, MongoDB, ElasticSearch, Postgis
- Cloud solutions and virtualization: NextCloud, OpenStack, OpenNebula, Kubernetes, AWS
- Technology: Docker, Docker-compose, OpenId Connect, WebDav, WCS, OpenSearch, GDAL, WCS, OpenSearch, DevOps Jenkins, SwaggerUI, AWS services, Jupyter, XML
- OpenScience: Zenodo, OpenAIRE
- Version control: GIT, CI/CD, SVN
- Tools: Kibana, LogStash, Filebeat
- Operative System: Linux
- Ecosystem: EOSC
- MVC framework: Django
- Framework: Flask, swagger

EDUCATION
2010   Master's Degree in Computer Science, University of Ferrara, Ferrara, Italy
2007   Bachelor's Degree in Computer Science, University of Ferrara, Ferrara, Italy

Professional experience
Since 2017   Software Analyst and Developer at MEEO s.r.l., Ferrara, Italy
2014-2017   Java Developer and Team Leader at Optima Solutions S.r.l., Padova, Italy – IT Consultant at Corvallis
2011-2013   Java Developer at ConsoftInformatica S.r.l., Padova, Italy – IT Consultant at Corvallis

Projects
- **NEANIAS (H2020):** Pipelines implementation and analyses for planetary and atmospheric data. Data retrieval from several data provider. AAI, accounting and logging integration in our services and web applications. Organization of activities in collaboration with the development team. Contribution in deliverable writing, project reporting and dissemination activities in order to achieve the project KPI. Contribution at activities and meetings related to several WPs and service assessments. Contribution to the EOSC onboarding activities.
- **Coastal Crete:** Python and bash scripts implementation for CMEMS data and forecast ingestion. Software and data analyses
- **WeKEO:** MongoDB distributed database design and configuration. Scripts analyses and implementation for a DevOps Jenkins pipeline and for manual installation. API analyses and implementation for CRUD operation on designed database. Development of the HDA components and their deployment in a cloud environment with dynamic provisioning of resources.
- **CubEO:** ELB and Auto Scaling group configuration with AWS services. Testing and maintenance activities.
- **DataBio:** Python scripts implementation for data ingestion and analyses to extract input needed for machine learning processes.
- **ADAM:** Data retrieval from several data provider (EarthData, Copernicus Land Cover, CMEMS, ECMWF, EUMETSAT, …). Python and bash scripts implementation for data ingestion in ADAM system and for several environmental and climate analyses
- **DSI-Project:** Python scripts implementation for the metadata extraction; software maintenance