



Andrea Scarpino

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I am a hands-on, competent software developer and GNU/Linux system administrator and I'm also involved in Open Source projects. I've an excellent knowledge of shell scripting and Java, but I'm confident enough I can speak any language as I wrote Web services, Desktop and mobile applications using several technologies. I love hard challenges and I strongly believe there are no barriers in software development; my motto is «Everything you can explain, I can implement». I'm very passionate and I rigidly follow code guidelines and standards. I'm familiar with version control systems, containers, continuous integration/delivery concepts and test-driven development.

Professional Experience

- **Klopotek Software & Technology Services Italia S.r.l.** **Gioia del Colle (BA), IT**
Developer Operations *Dec 2015 – Present*
 - Automation: I'm the lead developer of a J2EE application which allows to handle the installation and the update of any Klopotek STREAM application to any host, either local or remote, which is running GNU/Linux or Windows Server. The UI, wrote using AngularJS, allows to select the application to install, to which host of the given customer. Then Ansible playbooks, execute the deploy. This application is distributed as a Docker image.
 - Continuous Integration/Deployment: I'm in charge of all operations ranging from the build to the deployment of any Klopotek STREAM application. To accomplish this task I setup GitLab for source code hosting, Jenkins for automatic builds and execution of unit and functional tests, but also for static code analysis and the deploy to QA environments, JFrog Artifactory and Sonatype Nexus as software repositories, Elasticsearch for log analysis and metrics, and finally backups on AWS. VMWare, Nginx, HAProxy and keepalived are also something I manage.
- **NoemaLife S.p.A.** **Bari, IT**
Junior Analyst *May 2014 – Nov 2015*
 - Software development: I wrote a J2EE Web Semantic application that automatically check the validity of CDA documents (XML-based files that follow the HL7 Clinical Document Architecture). This application relies on semantic technologies such as OWL and reasoners. The REST API allows to perform SPARQL queries and to write data on the RDF storage. I also wrote the frontend using JSP.
- **DataToKnowledge S.r.l.s.** **Bari, IT**
Co-Founder & Software Developer *Aug 2013 – Mar 2015*
 - Software development: I wrote a Web crawler, using Java, to grab news from heterogeneous Italian online magazines using X-Path queries. I also developed the NLP algorithms for addresses, date, cities and outlaw events recognition for the Italian language. I used Scala with the Akka framework to write an asynchronous service to analyse news data.
- **Free and Open Source projects** **Bari, IT**
Software Developer *Mar 2008 – Present*
 - I've been an Arch Linux developer for 7 years that also made me become a KDE developer. I contribute to Open Source projects whenever I discover a bug that affects me, most notably to the Ansible project, which made me play with several languages (Rust, Go, Python, C, C++, JavaScript, PowerShell, ...).

Education & Credential

- **ISMIS 2014**
Automatic Extraction of Logical Web Lists P.F. Lanotte, F. Fumarola, M. Ceci, A. Scarpino, M.D. Torelli, D. Malerba
- **University of Bari "Aldo Moro"** **Bari, IT**
B.S. Computer Science and Technologies for Software Production *2007 – 2012*