



# Andrea Scarpino

Trento (TN), Italia

(+39) 329-1480178 • andrea@scarpino.dev

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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 scripts, 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.

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## Professional Experience

- **SpazioDati S.r.l.** **Trento (TN), IT**  
*Site Reliability Engineer* *Nov 2019 – Present*
  - I use daily Ansible and Terraform to setup our AWS instances. Our AMIs are built by Packer. Our software is deployed via Docker and they use communicate via auto-discovery. We use Vault to protect our secrets. We fetch metrics form all the services so that alerts get fired when something goes wrong. We do write postmortem and setup new alerts to avoid errors to happen twice. We do weekly meetings to improve the security of our systems.
- **Klopotek Software & Technology Services Italia S.r.l.** **Gioia del Colle (BA), IT**  
*Developer Operations* *Dec 2015 – Oct 2019*
  - Lead developer of a J2EE application to install and update any Klopotek STREAM application to any local or remote host which is running GNU/Linux or Windows Server. Ansible playbooks execute the deploy and it's distributed as Docker image.
  - In charge of all operations from the build to the deployment of any Klopotek STREAM application. I setup GitLab for code hosting, Jenkins for builds and execution of unit/functional tests, code analysis and the deploy to QA environments, JFrog Artifactory and Sonatype Nexus as software repositories, ElasticSearch for log analysis and metrics, backups on AWS, VMWare, Nginx, HAProxy and keepalived.
- **NoemaLife S.p.A.** **Bari, IT**  
*Junior Analyst* *May 2014 – Nov 2015*
  - I wrote a J2EE Web Semantic application to check the validity of any CDA document (XML-based files that follow the HL7 standard). This application relies on semantic technologies such as OWL and reasoners. It exposes REST API to perform SPARQL queries and to write on the RDF storage.
- **DataToKnowledge S.r.l.s.** **Bari, IT**  
*Co-Founder & Software Developer* *Aug 2013 – Mar 2015*
  - I wrote NLP algorithms, by using Scala and Akka, to extract addresses, date, cities and outlaw events from news published on heterogeneous Italian on-line magazines using a crawler built by us.
- **Free and Open Source projects** **Bari, IT**  
*Software Developer* *Mar 2008 – Present*
  - Arch Linux developer for 7 years and KDE developer. I contribute to Open Source projects whenever I discover a bug that affects me. I used Rust, Go, Python, C, C++, JavaScript, PowerShell, ...).

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## 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*