



# Andrea Scarpino

Trento (TN), Italia

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I'm a fast learner and quick problem solver. I grew up as a software developer, but I learned system administration in my spare time. Lately I've been getting more and more interested in cybersecurity. I love hard challenges and I strongly believe there are no barriers in software development. I'm very passionate and I'm dedicated to eliminating toil through automation. I'm familiar with cloud computing, containers, continuous integration/continuous deployment, infrastructure as code, service mesh, monitoring and observability tools.

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## Professional Experience

- **SpazioDati S.r.l.** **Trento (TN), IT**  
Nov 2019 – Present  
*Senior Platform Engineer*
  - My team and I take care of the infrastructure hosted on AWS. Instances are provisioned with a mix of Ansible and Terraform and are based on Amazon Linux and Ubuntu. SpazioDati micro-services are deployed on Kubernetes and make use of service discovery to communicate with each other. Secrets are stored in Vault, logs can be read via Loki and metrics are scraped by Prometheus. When something goes wrong, critical alerts are launched through Pagerduty. Whenever that happens, we do write postmortem to prevent errors from occurring twice. We do also maintain an internal tool that aims to standardize deployments and CI templates so that developers don't repeat themselves.
- **Klopotek Software & Technology Services Italia S.r.l.** **Gioia del Colle (BA), IT**  
Dec 2015 – Oct 2019  
*Developer Operations*
  - Lead developer of a J2EE application, distributed as Docker image, to install and update any Klopotek STREAM application to any local or remote host, running GNU/Linux or Windows Server, using Ansible playbooks.
  - I setup and maintain 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**  
May 2014 – Nov 2015  
*Junior Analyst*
  - I wrote a J2EE application to check the validity of any CDA document (XML-based files that follow the HL7 standard) using semantic technologies and to perform SPARQL queries via a REST API.
- **DataToKnowledge S.r.l.s.** **Bari, IT**  
Aug 2013 – Mar 2015  
*Co-Founder & Software Developer*
  - 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** **Mar 2008 – Present**  
*Software Developer*
  - former Arch Linux and KDE developer. I contribute to Open Source projects whenever I discover a bug that affects me. I wrote code in Rust, Go, Python, C, C++, Ruby, 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**  
2007 – 2012  
*B.S. Computer Science and Technologies for Software Production*