

LINKS

<https://github.com/aleskandro>
<https://linkedin.com/in/aleskandro>

LANGUAGES

Italian
English

PROGRAMMING SKILLS

Over 30,000 lines:

- GNU/Linux • Shell (Bash, Sh, Zsh)
- C/C++ • Javascript • Python
- Rails • Php

Over 5,000 lines:

- Html • Css • MySql
- Docker • Ansible • Vagrant • Java

Familiar:

- Laravel • Django • Node.Js
- PostgreSql • L^AT_EX

EDUCATION

UNIVERSITY OF CATANIA

PHD STUDENT AT DEPARTMENT OF ELECTRICAL, ELECTRONICAL AND COMPUTER ENGINEERING

Nov 2018 - Now | Catania

RESEARCH TOPICS: CLOUD & EDGE COMPUTING - RESOURCE ALLOCATION - CONTAINERIZATION SYSTEMS - AIOPS

UNIVERSITY OF CATANIA

MASTER'S DEGREE IN COMPUTER ENGINEERING (110/110 WITH HONORS)

Oct 2018 | Catania, CT

THESIS TOPIC: RAPHTORY: BUILDING DISTRIBUTED ONLINE GRAPH PROCESSING SYSTEM

UNIVERSITY OF CATANIA

BACHELOR'S DEGREE IN COMPUTER ENGINEERING (110/110)

Jul 2016 | Catania, CT

THESIS TOPIC: ONOS AND JFLOWLIGHT. QUALITY OF SERVICE MANAGEMENT FOR SOFTWARE DEFINED NETWORKING.

EXPERIENCE

MADFARM | DEVOPS ENGINEER & IT DIRECTOR

Oct 2015 – Nov 2018 | Scordia, CT - Italy

- Joined as a full-stack web developer but due to the needs of the company and my passion on System Administration I switched towards DevOps engineering both for customers' applications and internal infrastructure software;
- I designed the internal IT infrastructure and team's development workflows based on DevOps philosophy;
- I was also responsible for the design of the customers products (web/mobile applications) based on the Agile methodology and for the management of a small team of 5 developers; however I always preferred to be part of the team in a horizontal setting and focusing on technical and implementation aspects;
- Technologies used: Linux, Docker, Docker Swarm, Kubernetes, Gitlab, PHP, Laravel, Node.JS, Ruby on Rails;

INCAMPAGNA RETE DI PRODUZIONE | IT CONSULTANT

Feb 2017 – Sep 2017 | Scordia, CT - Italy

- I was responsible for the internal LAN design & implementation;
- Technologies used: Proxmox, Ansible, pfSense, Devuan, Samba

RADIO REBELDE | TECHNICIAN

Jan 2013 – Jun 2013 | Scordia, CT - Italy

- Web-radio implementation based on free software: GNU/Linux, icecast, airtime;
- I designed the server-side infrastructure and the studio's facilities to stream contents, also developing hardware, their Linux drivers and the UIs;
- Web development, hardware development, system administration;

CENTRO MEDICO ZAPPULLA | IT CONSULTANT

Sep 2012 – Oct 2012 | Scordia, CT - Italy

- I was responsible for the internal LAN design & implementation;
- Technologies used: VMWare, Debian, Squid proxy, Microsoft Sql Server, Windows Server;

LINKS

<https://github.com/aleskandro>
<https://linkedin.com/in/aleskandro>

LANGUAGES

Italian
English

PROGRAMMING SKILLS

Over 30,000 lines:

- GNU/Linux • Shell (Bash, Sh, Zsh)
- C/C++ • Javascript • Python
- Rails • Php

Over 5,000 lines:

- Html • Css • MySql
- Docker • Ansible • Vagrant • Java

Familiar:

- Laravel • Django • Node.Js
- PostgreSql • \LaTeX

RESEARCH

LIPARI SCHOOL ON NETWORK AND COMPUTER SCIENCES | STUDENT

Jul 2017 | Lipari, ME - Italy

Course on network programmability for PhD students. SDN, NFV, DDC, IXPs

RESEARCH ASSISTANT BY ERASMUS+ PLACEMENT | STUDENT

Mar 2018 - Sep 2018 | Queen Mary University of London - United Kingdom

- I worked on the team responsible for Raptoryy, a distributed streaming graph processing middleware system; ;
- I designed and developed in Scala some components of Raptoryy: Interfaces/Traits for the Spouts, implementations of the distributed partitions manager with focus on concurrent data-structures and their behaviour, implementations of the live analysis manager based on the bulk synchronous parallel pattern.

PUBLICATIONS

COOPE4M: A DEPLOYMENT FRAMEWORK FOR COMMUNICATION-INTENSIVE APPLICATIONS ON MESOS

AL. DI STEFANO, AN. DI STEFANO, G. MORANA, D. ZITO

2018 IEEE 27th International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE)

BUILDING DISTRIBUTED TEMPORAL GRAPHS FROM EVENT STREAMS

BENJAMIN A STEER, ALESSANDRO DI STEFANO, RICHARD G CLEGG, FELIX CUADRADO

2018 Second Workshop on Advances in Mining Large-Scale Time Dependent Graphs (TD-LSG)

CERTIFICATIONS

- | | | | |
|------|------------------------------|--|---|
| 2009 | Istituto musicale V. Bellini | | Degree in music theory |
| 2016 | Angular.JS certificate | | Student at DIEEI (University of Catania) course |

SOCIETIES

- | | |
|-----------|---|
| 2000-2010 | Scout in the Italian "Agesci" association |
| 2008-2011 | Co-founder of Scordia Linux User Group |
| 2008-2017 | Hackivist at Catania Gnu/Linux User Group |
| 2008-2017 | Hackivist at Freaknet Medialab |
| 2012-2017 | Scoutmaster in the Italian "Agesci" association of Scordia (CT) |
| 2016 | Volunteer at MOCA Olografix Camp Hackmeeting |