ANDREA BRANCALEONI

SOFTWARE ARCHITECT AND OPEN SOURCE ENTHUSIAST

miwaxe@gmail.com
(+39) 349-245-1613

Profile

When I am not supervising several components across the stack, i enjoy writing code in ruby. Daily I manage a hundred packages for VoidLinux, a security-oriented and multi-architecture GNU/Linux distribution. I consider myself a language polyglot and an infrastructure as code lover.

Education

MSc in Computer Engineering

Thesis argument:
Linux Kernel Secure Allocator

Politecnico di Milano

2015/2016

BSc in Computer Engineering

Thesis project:
Distributed Mobile Game Development

Politecnico di Milano

2011/2012

Diploma Scientifico

Liceo Scientifico Francesco Severi (MI)

2008/2009

Technical

C/C++	Python	**Ruby**
Shell Scripting	Linux Namespace	**Docker**
Linux System Administration	Linux Kernel	Java
JVM	**ARM Assembly**	**Android**

Membership

POuL
2010-2017

Politecnico Open unix Lab. The POuL is no-profit student organization promoting free software and open source through GNU/Linux system administration courses, conferences and events.

ToH
2010-2017

Tower of Hanoi. The ToH is the security team of Politecico di Milano. We took part to several computer security competitions (CTF - Capture The Flag) over the year.

Experience

.Cleafy
DevOps Engineer and Software Architect
2015-2017

.Cleafy is an Italian security vendor specialised in Enterprise web application attacks prevention and detection solutions. At .Cleafy I manage the internal infrastructure and the continuous integration server. Moreover, I maintain the release of the production software stack: in that regards, I support a self-contained Linux container management system written in bash and a mini GNU/Linux distribution that facilitate the stack deployment. Since 2016, I supervise the design and implementation of the mobile core components of the software stack.

Politecnico di Milano
Software Engineering Tutor
2015-2016

At Politecnico di Milano I prepared the lab session material and implemented an automatic assignment generator for the course. Furthermore, I managed a vagrant workspace to streamline the tasks.

VoidLinux
Package Maintainer
2014-2017

I regularly contribute to VoidLinux, a European security-oriented GNU/Linux distribution. I maintain and contribute to near a hundred packages, mainly in DevOps area such as Docker, rkt, packer, terraform, vagrant, nsjail, virtme, sydbox, schroot, etcd, flannel, virt-manager and kubernetes.