

Francesco Pira

Developer and curious mind, Computer Engineering student, co-founder of a grant-winning web-services startup and with experience in students' associations and Oracle Fusion Middleware platform. My aim is to improve people's lives.



Contacts and info

born: Jan 21, 1993

email: me@fpira.com

Location: Catania, Italy.

Available to move.

website: fpira.com

GitHub: github.com/pirafrank

LinkedIn: [in/fpira](https://in.linkedin.com/in/fpira)

SlideShare: slideshare.net/pirafrank

twitter: [@pirafrank](https://twitter.com/pirafrank)

Skills

Front-end dev: HTML, CSS, SCSS, JavaScript, AngularJS, Angular 6, IceFaces 3.x

Back-end dev: Flask, node.js (ExpressJS), ElectronJS, Ruby on Rails

Web servers: nginx, Apache, Puma

Databases: Oracle DB, PostgreSQL, CouchDB, MySQL / MariaDB, SQLite

System Administration: Server deployment, configuration and hardening (sshd, OpenVPN, security policies, etc.)

Programming languages: Python 2/3, Java SE 8, Java EE 7, JavaScript (ES5+), TypeScript, Bash, C. Wanting to explore Golang and Swift.

VCS: Git, SVN (including TortoiseSVN)

Operating systems: Debian Linux-based, CentOS, macOS, Windows 7+

SOA products: Oracle Fusion Middleware 12c (including JDeveloper), Oracle Service Bus 12c, Oracle WebLogic

Cloud platforms: Amazon Web Services, Microsoft Azure, Hetzner, Linode, Aruba Cloud

Other tools: Docker, XSLT, XQuery, Let's Encrypt, GrSecurity, Gulp, Bower

CMS and static site generators: Prestashop, Wordpress, Jekyll

Other technical skills: Computer security fundamentals, cryptography and server hardware

Graphical tools: Photoshop (mostly for front-end assets), Sketch by Bohemian Coding

Soft Skills: Project Management and Tracking, Team Leadership, Team Working, Social Networking, Event Organisation

Experience

Feb 2017 - Present

Java EE and Oracle Middleware Development Consultant at Leonardo S.p.A.

- Development of enterprise applications on Oracle Service Bus deployed on Solaris OS or Windows Server environments.
- Working with Oracle Fusion Middleware suite and JDeveloper, version 12c.
- Java EE 6 and Java EE 7 application development
- Some experimental projects in Python, Docker and Angular 6

*June 2015 - June 2017
Catania, Italy*

CEO & Developer at Fileshute srls (fileshute.com), a startup that won the TIM#WCAP acceleration program and 25K Euro grant in 2015.

- Developer of a desktop app for a third-part by using node.js 6.x, Electron and AngularJS

- Feb 2015 - July 2016*
Remote working **Coordinator of EESTEC IT Team**, 2 consecutive mandates
- Managed a team of 12 (of which 8 active daily) about server, websites and mailing list maintenance and development of new features of main web app
 - Delivered an overall infrastructure uptime of >98%
 - Wrote server and infrastructure documentation
- Jul 2014 - Jan 2015*
Remote working **Sys Admin at EESTEC IT Team**
- Responsible for server migration (Set 2014, two weeks)
 - Sys admin (server maintenance)
- Dec 2013 - May 2015*
Catania, Italy **Web Developer, self-employed**
- Worked in a team of 3, developed landing pages, static and e-commerce websites and a Rails app for a main company deployed on Amazon Web Services (using EC2, RDS, S3 and KMS).
- Oct 2010 - Nov 2013*
Catania, Italy **Computer hardware technician**

Education

- 2011 - 2017*
(expected) **University of Catania**, BSc in Computer Engineering - Catania, Italy
- *Relevant courses*: Internet Security, Mathematics, Object-Oriented Programming, Computer Networks, System Automation and Electronics, PIC programming
- 2006 - 2011* **Principe Umberto di Savoia High School**, ICT Course - Catania, Italy
- *Grade*: 100/100
 - *Relevant fields of study*: Mathematics and Physics

Noteworthy projects

Below projects I've developed on my own.

- April 2015*
University of Catania **GrSecurity challenge**
- Hardening a Debian 6.0 machine using GrSecurity open-source tool
- March 2015* **fpira.com**
- Designed and developed from the ground up using Jekyll

For a full list of project I developed, please check out fpira.com/projects.

Noteworthy events

- November 5-9, 2016*
Lisbon **WebSummit 2016**, participant
- Winner as open source contributor via GitHub code analysis
- October 14-16, 2016*
Vecchia Dogana, Catania **Startup Weekend Catania 2016**, co-organiser and fund-raising.
- Startup Weekend is a format aimed at promoting young entrepreneurship and boosting cooperations in the ecosystem
- October 2016*
University of Catania **Contamination Lab (CLab) 2016 Edition**, Trainer
- 3 lessons on idea setup and core startup topics

- June 13, 2016* **Hardening Two**, Speaker and co-organiser
University of Catania OpenDay about understanding Linux hardening. SELinux, GrSecurity, Tomoyo 1.8 and AppArmor were demoed to defend against privilege escalation, backdoor and shellshock.
- May 19, 2016* **Google I/O Extended 2016 Catania**, Speaker
University of Catania Workshop about JavaScript, ES2015 and node.js
- May 19, 2015* **Hardening One**, Speaker and co-organiser
University of Catania OpenDay about security of GNU/Linux-based desktop OSes and today's edge hardening techniques.

For a full list of events I have organised and contribute to, please go to fpira.com/events.
 For a full list of talks I have given, please go to fpira.com/talks.

Languages

- Italian, native proficiency
- English, rated CEFR Advanced (C1), not certified yet.

Organisations and Volunteer

I've been part of the following organisations:

- EESTEC, European students' non-profit organisation (eestec.net)
- Youthub, student incubator and startup community of Sicily (youthub.net)
- Google Developers Group Catania (<https://developers.google.com/groups>), community of web developers passionate about Google's technology and part of the GDG worldwide initiative.

Feb 2016 - Feb 2017 **VP and Treasurer at Youthub Student Incubator**, Catania, Italy

Nov 2014 - Nov 2015 **Contact Person EESTEC Catania**, Catania, Italy

- Manager of internal and external relations
- Members motivator and promoter of the local committee

Sept 2014 - Feb 2016 **Board Assistant at Youthub Student Incubator**, Catania, Italy

Oct 2013 - Sept 2014 **Project Manager at EESTEC Catania**, non-profit organisation, Catania, Italy (eestec-catania.eu)

- Organiser of tech events and manager of local partnerships

Honours and Certificates

You can read a digital copy of them at fpira.com/certificates.

Interests

Besides programming and security, I like meeting new people, jiu jitsu and Japanese culture, traveling, DIY, thriller books and movies.

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorise the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.