



# STEFANO BORZI

SOFTWARE DEVELOPER

[stefanoborzi.dev](https://stefanoborzi.dev)

## CONTACT

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## EDUCATION

- PhD in Data Science**  
University of Catania  
2021 - 2025
- MSc in Computer Science (Data Science)**  
University of Catania  
2017 - 2019  
Grade: 110/110 cum laude
- BSc in Computer Science**  
University of Catania  
2014 - 2017  
Grade: 106/110

## ABOUT ME

I'm a software engineer who started programming for fun at the age of 12.

I have several years of working experience mostly using web technologies like TypeScript/JavaScript, Angular, NGRX, Redux, React, Python, Node.js, Bootstrap, Tailwindcss, HTML, CSS/SCSS, C++, PHP, and Laravel.

In my spare time, I manage two opensource communities, [AzerothCore](#) and [UNICT-DEVS](#).

I am really passionate about opensource and Linux.

[Visit my website to learn more about me!](#)

## SKILLS & TECHNOLOGIES

Angular, Typescript, Javascript, RxJS, Redux, NGRX, React.js, Next.js, Nx, Cypress, Playwright, Karma, Jasmine, Jest, Webpack, Node.js, Nestjs, Expressjs, Three.js, Electron, Websocket, Socketio, PHP, Laravel, Python, Selenium, FastAPI, Flask, Pytest, Pytorch, R, C, C++, Java, Web Components, Micro Front-end, Microservices, SASS, CSS, TailwindCSS, Bootstrap, Material Design, Apache, Nginx, Docker, Linux, OpenWRT, Radius, WordPress, Git, Gitlab, Github, Bitbucket, Jira, Scrum, SAFe-Agile, Kanban, A/B testing, SOAP, OAuth, CI/CD, GitHub Actions, Jenkins, DevOps, MySQL, SQLite, Lua, Bash, Firebase, Supabase (Realtime, Monitoring), Networking (RESTful APIs, JSON, XML), Azure, Accessibility, WCAG

## WORK EXPERIENCE

### Senior Programmer Analyst - FedEx

Jan 2021 - Present

I worked on the MAGR team, where I acted as Team Lead and I was responsible for releasing [this international web application](#).

I would like to highlight some key contributions I made to this project. I optimized Google Maps usage, reducing company costs and sharing my approach with other teams to enhance efficiency across departments. I also analyzed the application's source map, removing unused packages from the production build and replacing outdated, non-treeshakable packages with modern alternatives, achieving a 33% reduction in application size. Additionally, I improved TypeScript code quality by examining the transpiled JavaScript, resulting in further size reductions and enhanced overall performance. I actively upgraded Angular to the latest version available whenever possible, ensuring the application remained up to date with the newest features and improvements.

The main technologies involved are the following:

- TypeScript
- Angular (v18+), NGRX, Redux
- Software testing with Jasmine, Karma
- A/B testing through Optimizely

### Software Engineer - Infront Finance (ex VWD group)

Jan 2020 - Dec 2020

I developed a FinTech platform, keeping the Angular framework version up to date. I removed all jQuery functions from the project, eliminating the dependency on the jQuery library by replacing them with built-in Angular features or native JavaScript alternatives.

The main technologies involved are the following:

- TypeScript developer
- Mainly using the Angular framework and NGRX+Redux
- Writing unit tests using Jasmine/Karma
- SASS/SCSS and the Bootstrap framework

### Software Developer (freelancer) - Fiverr

Aug 2018 - Jan 2020

[Fiverr profile](#)

Technologies involved:

- Web scraping tools (using Python+Selenium or Node.js+puppeteer)
- Telegram chat bots
- Python scripts

### Web Developer (part-time) - ItaliaHotspot

Mar 2018 - Oct 2019

IT Consultant and Software Developer for software management

Technologies involved:

- PHP framework Laravel (REST API)
- AngularJS (Single-Page-Application)

Company client: NewTecna.

### Web Developer (part-time) - Codice a Barre Italia


Sep 2017 - Jan 2018


Software management developed with:


- PHP framework Laravel (REST API)
- AngularJS (Single-Page-Application).

[Demo software management](#)

## PUBLICATIONS

 [Is synthetic voice detection research going into the right direction?](#)

 [NETME: On-the-Fly Knowledge Network Construction from Biomedical Literature](#)

 [The String Matching Algorithms Research Tool](#)

## LANGUAGES

-  English (Fluent)
-  Italian (Native)
-  Dutch (Basics)
-  Spanish (Basics)

 [slides](#) -  [source](#)

 [slides](#) -  [source](#)





 [slides](#) -  [event](#)

 [event](#)

 [slides](#) -  [talk](#)  [event](#)

 [slides](#) -  [paper](#) -  [event](#)





 [slides](#) -  [talk](#) -  [website](#)

 [slides](#) -  [web app](#) -  [source](#) -  [event](#)

 [slides](#)

 [slides](#) -  [event](#)

 [slides](#) -  [talk](#) -  [event](#)

 [slides](#) -  [workshop](#) -  [interview](#) -  [event](#)

### Web Developer (part-time) - *Perdichizzi Gioiellerie*

Oct 2016 - Jul 2017






I developed a software management using the following technologies:

-  **PHP framework Laravel (RESTful API)**
-  **AngularJS (Single-Page-Application).**

### Web Developer (part-time) - *Codice a Barre Italia*

Aug 2016 - Oct 2016




I developed an e-commerce platform ([demo](#)), the technologies involved in this project are:

-  **PHP**
-  **Bootstrap**
-  **JavaScript (jQuery, Ajax)**
-  **Wordpress + Woocommerce plugin**
-  **Telegram API**

### Web Developer (part-time) - *ItaliaHotspot*

Aug 2015 - Jul 2016

Full-stack Developer worked on different projects which consisted of:

-  **Back-end development using PHP (Laravel), SOAP and MySQL**
-  **Front-end development using HTML5, CSS3, JavaScript, Bootstrap, Angular (and AngularJS)**
-  **Managing router firmware like OpenWRT, DDWRT and connecting them to a FreeRadius server**






### Web Developer (part-time) - *Insolaria*

Jan 2015 - Jul 2015

Worked on a web portal for Public Administrations

-  **AngularJS**
-  **Wordpress API**
-  **PHP framework Laravel**

## COURSES AS A LECTURER



- Quality Development 2023/2024 - University of Catania -  [program](#) -  [slides](#)
- Quality Development 2022/2023 - University of Catania -  [program](#) -  [slides](#)
- Quality Development 2021/2022 - University of Catania -  [program](#) -  [slides](#)


Main topics:

Python, Git, GitHub, Soft Skills, CI/CD pipeline, GitHub Action, SOLID principles, Software Testing

## CONFERENCES AND SEMINARS

 Speaker: Audio Processing - ffmpeg  

 Speaker: Audio Processing - Segnali Audio e Rumori 

 DevFest 2022 - Tasti rapidi e dove trovarli 


 Panel: Best practices and quality code - GDG Catania DevFest 2022 

 Speaker: Raduno OpenDataSicilia 2022 


 Speaker: Is synthetic voice detection research going into the right direction?

 Speaker: Saturday Morning Snippets - History of Operating Systems

 Speaker: GenerazioneY Report - Sicily Social Network Report 

 Speaker: Linux Day - Debian-based distros 

 Speaker: Telegram Bot Talk and Workshop at the Google DevFest 2018 

 Speaker: Telegram Bot Talk at the Google DevFest 2017 

 Speaker: Telegram Bot Workshop - Google I/O Extended at the GDG in Catania 