



STEFANO BORZI

FREELANCER FULLSTACK ENGINEER

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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, Vite, 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++, .NET, Java, Spring Boot, 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, Optimizely, SOAP, OAuth, CI/CD, GitHub Actions, Jenkins, DevOps, MySQL, SQLite, Lua, Bash, Firebase, Supabase (Realtime, Monitoring), Networking (RESTful APIs, JSON, XML), Azure, Accessibility, WCAG, Figma, AdobeAnalytics

WORK EXPERIENCE





- Fullstack Developer (freelancer) - Royal BAM Group** May 2025 - Present
I am working using **TypeScript, Angular, Node.js, NX, NestJS, Tailwind, NgRx, .NET**, and other modern technologies to help digitalize construction processes, build a more sustainable future, and combat the housing shortage in the Netherlands.
Ensuring the maintainability of the project by implementing E2E tests through **Playwright** next to unit tests.
- Team Lead - FedEx** Jan 2023 - May 2025
I worked on the MAGR team, where I acted as Team Lead, and I was responsible for releasing [this international web application](#).
I led frontend development, overseeing feature implementation, release management, cross-team coordination, and was responsible of interviewing, hiring and onboarding new developers in the team.
- Senior Programmer Analyst - FedEx** Jan 2021 - Dec 2022
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, Playwright & Cypress for e2e tests**
- 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: **NewTecnica**.

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](#)
-  [Breaking the Silence: Detecting AI-Converted Voices in the Quietest Moments](#)




LANGUAGES

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

-  [slides](#) -  [source](#) -  [event](#)
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-  [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) - *Codice a Barre Italia*




Sep 2017 - Jan 2018

- Software management developed with:
-   PHP framework Laravel (REST API)
 -  AngularJS (Single-Page-Application).

[Demo software management](#)






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) - *Insolara*

Jan 2015 - Jul 2015

































- Worked on a web portal for Public Administrations
-    AngularJS
 - Wordpress API
 - PHP framework Laravel

COURSES AS A LECTURER

- Quality Development 2025/2026 - University of Catania -  [program](#) -  [slides](#)
- 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, Soft Skills, CI/CD pipeline, GitHub Action, SOLID principles, Software Testing

CONFERENCES AND SEMINARS

-  Speaker: PythonCatania - Python Multithreading 
-  Speaker: PythonCatania - Python Extensibility 
-  Speaker: Secure Systems and Programmable Networks: Tools for the Future 
-  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 