



Francesc Barnola

SOFTWARE ARCHITECT · SOFTWARE ENGINEER

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About me

Software Engineer with specialization in ITC and professional experience in microcontroller and firmware programming. I have also developed and maintained desktop applications based on Python.

I consider myself passionate about technology with a lot of interest for innovation. I have the initiative to look for new challenges and projects that can make my life and others' easier and simpler, both in a personal and professional level by automating tasks and processes using all kind of technologies. Furthermore I consider myself an easy-going and happy person and I love practicing all kinds of sports, mainly running. I own a car and I am available to relocate.

Professional experience

SALICRU S.A.

*Santa Maria de Palautordera,
Barcelona*

EMBEDDED SYSTEMS ENGINEER

Sep. 2023 - Present

- Development of software for microcontrollers using C.
- Communication drivers programming
- Assistance on the design of control boards
- Technical support to different projects creating tools and complementing libraries

SALICRU S.A.

*Santa Maria de Palautordera,
Barcelona*

SOFTWARE ENGINEER

Feb. 2022 - Jul. 2023

- Responsible for the development and maintenance of a Python based desktop app.
- Management of a relational database.
- Manage the Version Control System of the R+D department.
- Detect and solve bugs in a production environment.
- Did my Thesis consisting of an automatic code generating desktop app with a Python based graphical interface.

The Batch Lab

Remotely, Girona

WEB DEVELOPER

Jun. 2021 - Nov. 2021

- Develop a website using the Drupal CMS.
- Aid in the design of the different sections of the website.

Granja la Llesca

Sant Celoni, Barcelona

WAITER

Feb. 2017 - Sep. 2019

- Bartender and waiter
- Customer service

Club Tennis Sant Celoni

Sant Celoni, Barcelona

BAR MANAGER AND CLUB CUSTOMER SERVICE

Jun. 2016 - Set. 2016

- Stock control and order to suppliers
- Administrative tasks and customer service

Academic experience

MSc in Cybersecurity and Privacy

UNIVERSITAT OBERTA DE CATALUNYA

Barcelona, Espanya

Sep. 2024 - Current

- Formation in Cybersecurity technologies, protection and infrastructure development, pentesting, IT forensics, security audits and more

B.S in Computer Engineering

UNIVERSITAT DE GIRONA

Girona, Spain

Sep. 2017 - Sep. 2023

- Specialization in ICT (Information and communication technologies)

Skills

DevOps

Subversion, JIRA, Docker, DockerSwarm, Github, Gitlab, Grafana, Cloudron

Programming Languages

Python, C, C++, Java, Javascript, PHP, Bash, Ansible, Lua and more

Graphic Libraries

PySide2, PyQt, Qt, Bootstrap

Workflow

Ubuntu, Windows, Raspbian, Kali, NVim, ApacheGuacamole

Cloud

Oracle Cloud, AWS, Github, Gitlab, Linode, Hetzner, DigitalOcean

Languages

Català Natiu

Español Nativo

English Advanced - C1