PERSONAL INFORMATION

Bartalesi Antonio

⚲ Sofielundsvägen 23B - 21425 Malmö, Sweden

✉ antonio.bartalesi@gmail.com

🖰 https://bartalesi.eu

💬 **Skype** antonio.bartalesi

Gender Male | Date of birth 17 October 1984 | Nationality Italian, Swedish

WORK EXPERIENCE

01 Sept 2020 → present

Software Engineer

Main activities and responsibilities
Developing and maintaining software for the TANGO distributed SCADA control system:
Protocols: Corba, Zeromq, Telnet, Serial, TCP/UDP, SCPI, Modbus, GigE, GraphQL, REST.
Design of GUIs (Taurus, PyQt) to allow users to interact with the control system.
Testing and packaging the software (pytest, RPM, DKMS, conda, pip).
Developing and operating tools for CI/CD (ansible, gitlabCI, docker).
Occasionally provide on call software support for operations.

Name of employer MAX IV Laboratory

Address Fotongatan 2 - 22484 Lund, Sweden

Sector Software - SCADA, distributed

01 July 2015 → 31 October 2020

Project Engineer

Main activities and responsibilities Managing the frontends (machine to beamline interface) project at MAX IV.

Name of employer MAX IV Laboratory

Address Fotongatan 2 - 22484 Lund, Sweden

Sector Particle accelerators - synchrotron light sources

01 July 2013 → 30 June 2015

Research Engineer

Main activities and responsibilities Design, integration and procuring of soft x-ray spectroscopy targets and cells for MAX II beamlines.

Name of employer MAX IV Laboratory

Address Ole Römers väg 1 - 22363 Lund, Sweden

Sector Particle accelerators - synchrotron light experiments

01 July 2010 → 31 June 2013

Research Fellow

Main activities and responsibilities Design of the CLIC SiD detector superconducting magnets.

Name of employer CERN

Address CH-1211 Genève 23 - Switzerland

Sector Particle accelerators - superconducting magnet R&D

25 May 2009 → 25 May 2010

Guest Engineer

Main activities and responsibilities Design of high temperature superconducting solenoids.

Name of employer Fermilab

Address Kirk rd and Pine st, PO Box 500 - 60510 Batavia, IL, USA

Sector Particle accelerators - superconducting magnet R&D

EDUCATION

16 Dec 2009	**M.Sc in Mechanical Engineering**
Title of thesis	Design of High Field Solenoids made of High Temperature Superconductors
Alma Mater Studiorum	Facoltá di Ingegneria, Universitá degli Studi di Pisa
Address	Via Diotisalvi 2, 56126 Pisa (PI), Italy

10 May 2007	**B.Sc in Mechanical Engineering**
Title of report	Modeling of Face Hobbing and Face Milling processes for Spiral Bevel Gears
Alma Mater Studiorum	Facoltá di Ingegneria, Universitá degli Studi di Pisa
Address	Via Diotisalvi 2, 56126 Pisa (PI), Italy

PERSONAL SKILLS AND COMPETENCES

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Français	C1	C1	B2	B1	B1
Svenska	A1	A2	A1	A1	A1

(*)

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

(*)

Software
– Best level: Python, PyTango, Taurus, PyQt, Linux, Git, Dev-ops, Ansible
– Great level: C/C++, Tango, Sardana, Shell, Agile, Embedded, Gitlab-CI
– Good level: Docker, HTML/CSS, RPM, DKMS, Conda, SQL

Social skills and competences
– Ability in establishing and maintaining good working and social relations with all colleagues.
– Proven ability to work under pressure (on call software support).
– Good abilities in interfacing with colleagues with different backgrounds.

Technical skills and competences
– Experience in design for cryogenic and ultra high vacuum applications.
– Experience in design of superconducting and normal conducting high field magnets.
– Experience with supervising installation of particle accelerator components.
– Experience in particle accelerator control room operations.
– Experience with basic PCB layout and 3D printing for prototyping.

Driving license Class B (Europe)