

Curriculum Vitae

Personal information

First name(s) / Surname(s) **João Miguel Nunes Botelho**

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Portugal

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Nationality Portuguese

Date of birth 19 December 1973

Gender Male

Marital Status Common-law marriage.

Children 1 daughter (23/03/2005) and 1 son (10/06/2009).



Professional experience

Dates	August 2006 to January 2019
Occupation or position held	ISR/IST - Mechanical coordinator for several Scientific European Projects. Head of mechanical and development team. 3D-CAD and SolidWorks mechanical parts concept, project and analysis.
Main activities and responsibilities	Responsible for: <ul style="list-style-type: none">• Concept development of marine and underwater robots and components.• Project, Design and development of mechanical components.• Integrations and specification of components, materials and needs to each projected part.• Contact with suppliers (manufacturing and components).• Advising on new designs and mechanical prototypes development.
Name and address of employer	Institute for Systems and Robotics - ISR Lisbon. Instituto Superior Técnico. Avenida Rovisco Pais n°1 1049-001 Lisboa
Type of business or sector	Ocean, Marine and Underwater Autonomous Robotics.

Dates	January 2019 to present
Occupation or position held	CTO - Chief Technological Officer. Head of mechanical design and project development team. 3D-CAD and SolidWorks mechanical parts concept, project and analysis.
Main activities and responsibilities	Project, Design and development of new vehicles. New models development and prototype trials. Procurement and contact with suppliers (both manufacturing, components and spare parts).
Name and address of employer	Deltrain SA. Rua dos Pinheiros S/N. Maça – Portugal.
Type of business or sector	Touristic urban trains and Electrical Vehicles.

Educational Background

Principal subjects/occupational skills covered

Mechanical Engineering (started 1992).

- Mechanical Design and Materials Science.
- Mechanical Behaviour of Materials.
- Thermodynamics.
- Mechanical Vibrations and noise.

Name and type of organisation providing education and training

Instituto Superior Técnico.
Technical University of Lisbon.

Date

From March to July 2012

Short Course

COHiTEC 2012 - Short course from North Carolina State University.

Principal subjects/occupational skills covered

- Technological entrepreneurship.
- Technological business analysis.
- Financial analysis and business plan evaluation.
- Knowledge and Production management.

Name and type of organisation providing education and training

COTEC Portugal.
Associação Empresarial para a inovação.

Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment

European level (*)

English

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	B2	Independent User
B1	Independent User	B1	Independent User	A2	Basic User	A2	Basic User	A2	Basic User
B2	Independent User	B2	Independent User	B2	Independent User	B1	Independent User	A2	Basic User

• Cambridge First Certificate in English (FCE) - Grade A (1992).

(*) Common European Framework of Reference for Languages

Technical skills and competences

- Good knowledge of mechanical and technical drawing, manufacturing and detailing draws.
- Knowledge of manufacturing processes and construction technology of mechanical parts.
- Knowledge of advanced composites and related manufacturing processes.
- Machining skills: mill, lathe, hand tools operations and sheet metal fabrication.

Personal skills and competences

- Good communication and public presentation skills.
- Good team and groups management skills.
- Resilient. Good capability to work under stress or extreme conditions.
- Team player.

Driving licence

Holder of a Portuguese (EU) driver licence. Number SE-81579 category B vehicle (17/06/1993).

Yachtsman's licence

Holder of a Portuguese (EU) Basic Skipper yachtsman's licence. Number 198103 valid 2023-12-19.

Sports experience and curriculum

General information	<ul style="list-style-type: none">• Canoeist since 1986.• Canoeing coach (grade 1) by Portuguese Canoe Federation.• Member of the Setúbal Canoe Club board of directors since 1993.• Member of the Portuguese Canoe Federation board of directors since 2017 (Directly in charge of Canoe Polo and Ocean Racing).• Elected Member of the “Setúbal Sports City Council Advising Group” as the nautical sports representative member, since 2018.
Athlete curriculum	<ul style="list-style-type: none">• Canoe-Polo National Champion in the Portuguese league in 1992 and since 1994 until 2013.• Player of the National Canoe-Polo teams that represented Portugal at the European Championships in England (Sheffield 1993), Italy (Rome 1995) and Germany (Essen 1997).• Player of the National Canoe-Polo teams that represented Portugal at the World Championships in England (Sheffield 1992) and Australia (Adelaide 1996).• More than 30 international Canoe Polo competitions attended all over the world from 1993 to 2006.
Management and organisational background	<ul style="list-style-type: none">• President of “Setúbal Canoe Club” since 2005 (with 181 active members).• Treasurer of “Setúbal Canoe Club” from 1993 until 2004.• Member of the “General Assembly” of the Portuguese Canoe Federation from 1997 to 2004.• Member of the “Canoe Polo Committee” of the Portuguese Canoe Federation from 2001 to 2004.• Logistic responsible for all the canoe-polo national squads in Portugal (arranging the trip for athletes, plane, van hire and hotel), transportation of equipment and kayaks (logistics and customs procedures) to Ireland (2003) and Japan (2004).• Organizer of the international Canoe Polo competition “Setúbal Cup - Canoe Polo”, from 2000 to 2007 in Setúbal, Portugal. International competition with teams from the top 3 of each national championships from Spain, France, Germany, Italy, England, Netherlands, Belgium and Japan.
ICF roles and major event functions	<ul style="list-style-type: none">• Member of the ICF Canoe Polo Committee from 2015 to 2016 (chairman Andreia Donzelli (ITA)).• Member of the ICF Canoe Polo Committee from 2017 to 2020 (chairman Greg Smale (ENG)).• Canoe Polo World Championships 2016 - Siracuse - Italy: <u>Chief Scrutineer</u>.• World Games 2017 - Wroclaw - Poland: <u>Chief Official</u>.• Canoe Polo World Championships 2018 - Welland - Canada: <u>Technical Organizer</u>.• Canoe Polo European Championships 2019 - Coimbra - Portugal: <u>Event Manager & Technical Organizer</u>.

Setúbal, Portugal.

1st July 2021.