Sabrina
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Date of birth: 17/12/1992

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CONTACT

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WORK EXPERIENCE

15/02/2016 – CURRENT – Lisboa, Portugal

Software Component Engineer

EDISOFT - Empresa de Serviços e Desenvolvimento de Software, SA

ATFM (from 02/2019 to present)

ATFM is a cloud based solution for Air Traffic Flow Management systems. Its developed by a SCRUM team really focused on delivering the best quality solution for such a specific and critical area.

The following stack has been used: GitLab, Java, SpringBoot, SQL, HTML, CSS, Redux, JavaScript and ReactJS.

Participation in the following main activities:

■ Development of a couple of rest apis for basic knowledge acquisition of back-end structure

■ Front-end developer in ReactJS

EMSA CleanSeaNet (for EMSA from 08/2017 to 02/2019)

CleanSeaNet is the Near Real Time European satellite based oil spill monitoring and vessel detection service. EDISOFT is part of the consortium that provides the service to the participating coastal states and to EMSA.

The following technologies have been used: GitLab, Python, Bash, HTML, Bootstrap, CSS and AngularJS.

Participation in the following main activities:

■ Development of a monitoring tool for interaction with the jobs running in the system and check their status.

■ Development of software to manage the archiving system.

IPSentinel (for IPMA and DGT 02/2016 to 08/2018)

https://ipsentinel.pt/

IPSentinel is a platform based on ESA data hub that allows users to have access to Sentinel satellites images on the Portugal area of interest as well as product from SNIG, SNIAMB and SNIMAR catalogues. EDISOFT is responsible for delivering processed images in Santa Maria, Azores, ground station.

The following technologies have been used: GitLab, Python, Bash, HTML, Bootstrap and CSS.

Participation in the following main activities:

■ Development of scripts to implement the main activities of the system

■ Development of a project presentation page.

■ Development of system documentation.

LSA SAF (for IPMA from 08/2016 to 08/2018)

https://landsaf.ipma.pt/en/

LSA SAF is a project sponsored by EUMETSAT and is currently focused on the collection of data from MSG and EPS satellites and, in the future, MTG and EPS-SG. In order to respond to a wide community of users, the need to acquire this information has led to the development of information systems in environments such as meteorology and climate modeling, soils, disaster management and detection of climate change. Since the beginning of the project, EDISOFT is responsible for designing, implementing, developing, verifying, validating and maintaining the data processing and dissemination system under an international consortium led by IPMA.

The following technologies have been used: Visio, Entreprise Architect, ecFlow, OGE/SGE, Celery, SLURM, GitLab, Python, Bash and SQL.

Participation in the following main activities:

- Design of the system architecture.
- Prototyping for system upgrade.
- Development of software components.
- Database maintenance.
- Support to operational activities.
- Development of system documentation.

www.edisoft.pt / Rua Calvet de Magalhães 245, 2770-153 Paço de Arcos, Lisboa, Portugal

EDUCATION AND TRAINING

16/09/2013 – 15/10/2015 – Covilhã, Portugal

Master Degree in Electrical and Computer Engineering in the Bionic Systems Branch
Universidade da Beira Interior

"A Platform to Support the Development of Applications Based on the Segmentation and Labelling Algorithm" Advised by: Prof. Dr. António Espírito Santo and Co-advised by: Prof. Dr. Vincenzo Paciello

20/09/2010 – 02/10/2013 – Covilhã, Portugal

Bachelor Degree in Bioengineering
Universidade da Beira Interior

"Recuperação da Energia Eléctrica Produzida Pelas Plantas" Advised by: Prof. Dr. António Espírito Santo

LANGUAGE SKILLS

MOTHER TONGUE(S): Portuguese

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C1	C1	C1	C1	B2

Italian

Listening	Reading	Spoken production	Spoken interaction	Writing
B2	B2	B1	B1	A2

EXTRA-CURRICULAR TRAINING AT UNIVERSITÀ DEGLI STUDI DI SALERNO

In the periods between 24/03/2015 – 22/05/2015 and 25/06/2014 – 17/09/2014

Developed tasks and skills acquired:

- Specification and implementation of an API;

- Programming source code Matlab and C/C ++;

- Experimental tests in embedded systems;

- Interface with Hardware (ARM microcontroller) and Sorftware (Keil);

- Enhance the skills in foreign languages: English and Italian;

- Teamwork.

Mentored by: Prof. Dr. Vincenzo Paciello and Prof. Dr. Antonio Pietrosanto

OTHER

Courses and Certifications

- "Scrum Foundation Professional Certificate (SFPC)" certified by CertiProf Professional Knowledge (at 30/07/2020)

- Summer School "*Composite Materials: from basic to nano*" in the Department of Electromechanical Engineering from UBI (from 9 to 13 September of 2013).

- Vocational Training in MATLAB: Interactive Development Programs in CFIUTE - Interaction Training Centre Business Environment, UBI (25 hours in May of 2012)

Publications

- S. S. Guia, A. Espírito Santo, V. Paciello, F. Abate, A. Pietrosanto, "*A comparison between FFT and MCT for period measurement with an ARM microcontroller*", in Instrumentation and Measurement Technology Conference (I2MTC), Pisa – Italy, 11-14 of May, 2015, pp. 1938-1942.

- F. Abate, V. Paciello, A. Pietrosanto, S. S. Guia, A. Espírito Santo, "*Period measurement with an ARM microcontroller*", in AISEM Annual Conference, Trento – Italy, 3-5 of February, 2015, pp.1-4.

- P. M. D. Serra, S. S. Guia, E. J. S. Teixeira, A. Albuquerque, A. Espírito Santo, M. J. C. Magrinho, "*A Distributed Sensor Network Powered by Energy Harvesting Technologies for Wastewater Process Monitoring*", in Proceedings of the International Congress on Water, Waste and Energy Management, (EWWM2014), Oporto – Portugal, 17-18 of July, 2014.

- E. J. S. Teixeira, P. M. D. Serra, S. S. Guia, A. Albuquerque, A. Espírito Santo, M. J. C. Magrinho, "*Elétrodo de pH – miniaturização, resposta e seletividade*", in Posters Exhibition held in University of Beira Interior, Covilhã – Portugal, 21 of May, 2014.

- S. S. Guia, A. Espírito Santo, "*Avaliação do Potencial de Utilização de uma Bateria Biológica em Aplicações de Colheita de Energia*", in International Conference on Engineering, Engineering for Economic Development, (ICEUBI2013), Covilhã – Portugal, 27-28 of November, 2013.

Projects

- Participation in the development of a draft for the Recommended Practice for the Treatment of Applied Signs to Intelligent Transducers for the Standards family IEEE1451 : "*ISO/IEC/IEEE P21451-001/D1.4*" (from the year 2014 to present);

- Participation in the development of a project for Entrepreneurship Passport "*EnScoop - Environmental Energy Retrieval Sensor for Measuring Quality*", sponsored by IAPMEI (during the year of 2014).

Honours and awards

- Constituent element of the winning team of the IT Challenge organized by Deloitte at UBI (November 11, of 2013).

Affiliations

- Within the framework of internships performed: *MIsure, STRumentazione, ed ALgoritm* Laboratory (MISTAL lab), UNISA.

- In the development and programming of the final projects of bachelor and master's degree: Instrumentation and Measurement Laboratory, UBI.

- As part of the implementation and execution of the final projects of bachelor and master's degree: Biosensors Laboratory, UBIMedical.

Soft Skills

- Good self-learning skills

- Critical thinking admirer

- Great communication and teamwork

Obtained as:

- Team member on different projects at EDISOFT company

- Trainee member in both national and international a university laboratories

- Collaborating in a couple of academic projects

- Secretary of the IEEE Student Branch located at UBI (from 2013 to 2015)

- Treasurer of the Cultural Association "*As Moçoilas*" (from 2014 to 2015)

- Participating in several conferences and symposiums either as attendant or as staff element

- Instrumentalist performer in several different musical groups

Hobbies and Interests

Travel, music and photography enthusiast.

Driving Licence

B1, B