Ricardo David da Silva Briceño

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WORK EXPERIENCE

21/11/2022 – CURRENT Austria
STAFF SOFTWARE ENGINEER AMS OSRAM

I'm currently working as Staff Software Engineer at ams OSRAM. I'm currently leading a small team concerning React applications. I'm also member of a core team responsible for a critical distributed system which prevents and controls defects report and material blocking in our manufactoring locations.

Daily tasks:
- Query Tuning and Performance Optimization.
- Monitoring automation and Data Quality.
- Core Developer of React Applications.
- Core Developer of Event Driven Pipelines.
- Technical Support for the Development of Internal Applications across various Departments.
  - Finance Department
  - Product Quality Department
  - Human Resources Department
  - Manufactoring Control Department
  - Legal Department

01/08/2021 – 30/09/2022 Portugal
BACKEND DEVELOPER (INTERNSHIP) CISUC

I worked on the FireLoc Project as a Backend Developer for 1 year. My tasks involved:
- Developing API Modules and Microservices.
- Managing and processing geospatial information using a GIS (Geographical Information System) stack.

In detail:
- Developed multiple endpoints for data management and processing (Django) for our internal back-office dashboard.
- Created geospatial services to be consumed by external systems using GeoServer.
- Conducted deep analysis and bottleneck identification to optimize our solutions (client and server). Significant enhancements were made to achieve optimal performance and rendering levels using techniques such as clustering, data cleaning, and filtering.
- Developed cron services for process automation.
- Integrated external APIs and open-source third-party software with Docker.
- Conducted performance and rendering stress tests on our services using Leaflet, Postman, and GeoServer.

All activities were supervised and reviewed by PRs.

31/01/2020 – 30/08/2020 Portugal
FULL STACK DEVELOPER (INTERNSHIP) ARDITI

I worked on the Red GesFoGO project as a FullStack Developer, where my tasks focused on:
- Developing UI features for interacting with REST APIs to receive data from sensors and send commands to fire sensors.
- Developing GIS (Geographical Information System) components for graphical visualization of fire areas, sensors, and other geographic information using Leaflet.

In detail:
- Defined the entire database structure using Type Square architecture and the user interface design in collaboration with the team from the University of Las Palmas de Gran Canaria (ULPGC).
- Developed UI features required by ULPGC to assist relevant entities (Civil Protection, Firefighters, among others).

- Draft and remote presentation of Beta application and API architecture in 3 languages (English, Portuguese and Spanish) to the relevant entities.
- Designed the software architecture diagram for the GesFoGO network and presented it to GesFoGO moderators.
- Developed endpoints for receiving and sending commands to the sensors.

EDUCATION AND TRAINING

2020 – 2022 Coimbra, Portugal
MASTER IN SOFTWARE ENGINEERING Faculdade de Ciências e Tecnologia, Universidade de Coimbra

- University: Universidade de Coimbra (UC)
- Grade: 16/20
- Internship Grade: 18/20

2017 – 2020 Funchal, Portugal
DEGREE IN SOFTWARE ENGINEERING Faculdade de Ciências Exatas e da Engenharia, Universidade da Madeira

- University: Universidade da Madeira (UMa)
- Grade: 15/20
- Internship Grade: 19/20

LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
PORTUGUESE	C2	C2	C2	C2	C2
INGLÊS	B2	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Driving Licence: B

DIGITAL SKILLS

Full-Stack Development\ │ React Redux │ React-JS │ MaterialUI │ PL/SQL, PL/pgSQL │ Oracle APEX │ Oracle Performance and tuning │ Distributed Systems │ Event-driven architecure

SOFT SKILLS

Work Related

- Responsible
- Proactive
- Great Spirit and Team work
- Soft Learning Curve
- Attention to detail
- Agile Mindset

Life Style Related

- Respectful
- Extroverted
- Ambicious
- Honest

CURSOS

Building secure apps with Firebase

I attended the session organized by GDG Madeira and WTM Spain, in which the guest speaker, Megha Bangalore, guided us in developing secure applications using the Firebase platform.

MERN eCommerce From Scratch

Development of an E-Commerce system using the MERN technology stack (MongoDB, Express, React, and NodeJS)

Web GIS development

Introduction to web application development with GIS technologies, using Leaflet, GeoServer, and PostGIS.

Web Mapping and Web-GIS from Dev to Deployment: GeoDjango

Introduction to web application development with GIS technologies, towards on the server-side with the Django framework.

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