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Fernando Luz

About me

15+ years of developing and working in projects led me to have hands-on experience solving **complex problems** in software development using several languages and frameworks across a wide range of companies, including startups, oil and gas industries, educational institutions, and research labs. Driven **self-starter** and **fast learner**, always supporting my development teams with **top-notch coding skills**. I enjoy the challenge to maintain **team cooperation** to achieve objectives/deliveries in the process development. I strongly believe that **sharing knowledge** is a key point in a dev team, and I do my best to write clear and good code and implement best practices.

Experience

2022 - Present

Management of the **HLS — Healthcare & Life Science stream** and **Support stream** at Industries BU. (manager of **10+** Individual Contributors from entry levels to leads) The HLS stream is responsible for **Healthcare Experience Cloud** development, integrating healthcare call centers with unified patient information. The Support stream teams are composed of two squads. The **Cross Industries** team implements tools and integrations to be used in other projects in our BU. The **QA team** provides a framework and procedure to validate the quality of our products.

2021 - 2022

Integrate a new team from the ground to create a new solution for banking financial services. The tech stack in this project uses **Kotlin (BE)**, **SpringBoot**, **React (FE)**, **Redis**, **PostGres SQL**, **MongoDB**, **RabbitMQ**.

2018 - 2021

Responsible to start the **ASML** project, where I contributed in **Variant Pattern** implementation at the robot component to be used in next lithography machine generation (EXE-5000), and currently I'm leading the Portugal team to expand unit tests quality using a framework based on **gtest**. I was one of the founders in the Meetup internal group in Altran PT.

2016 - 2018

Managed the team responsible to implement new features in the **TMS (Technomar Maritime Simulator)**. **TMS** is a vessel maneuver simulator used in training activities. **Launched** the certification planning for **TMS** simulator by DNV GL agency, and the **collaborated** in the the core of hydrodynamic numerical model applied in a "full bridge" simulator. **Cultivated** good practices in software development process, such as **Scrum/Kanban** board, **TDD**, **Git** adoption and **mentored** meeting sessions to promote the homogenization of the knowledge of the team.

2008 - 2016

My role in the TPN laboratory was to develop a set of applications with **High-Performance Computing**. The languages I use was **C++/C**, **Python**, **MPI/sockets** and **bash** in Linux and Windows environment. Other duties includes testing and validation of numerical simulations, optimization, implementation of parallel improvements and integration with other projects. I also worked in others several projects, including the first version of **vessel maneuver simulator** called **SMH**. This project was select as finalist of **ANP (National Petroleum Agency)** Prize Award for Technological Innovation in 2016.

2011 - 2016

Teaching-related responsibilities such as giving lectures, tutoring, manage homeworks, laboratory activities, exams preparation and grading.

Education

2015 .

2010 .

2006 .

Other courses

Languages

Random achievements and anecdotes