Diogo Reis
Eletronical and Computer Engenieer

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Education

Master's degree in Eletronical and Computer Engenieering FCT-UNL (2015-2020)

Eletronical and computer Engenieering with emphasys in the fields of robotic systems, energy systems and low voltage eletronics.

- **Thesis**

Valuing and Determination of the TSO-DSO interface flexibility region.
Knowledge acquired in Smart grids, distributed networks, flexible and renewable resources, power flow analysis, operational planning, PSS/E software and Python.

Skills

Softwares and technologies:

- MS Office;
- Fullstack Development:
    - Backend – Node js (Express, Nest js), Java Spring Boot, Flask (Python);
    - Frontend – Javascript (React), HTML, CSS;
    - Python;
    - C, C++.
- API Testing: Postman; Swagger;
- Message queueing (Pulsar);
- SQL, NoSQL (MongoDB, Firebase DB);
- Kubernetes, Docker & Jenkins;
- Git, Confluence & Jira;
- PSS/E (*Siemens*) – Power flow analysis.

Personal:

- English;
- Team work;
- Flexiblity and adaption to new environments and challenges;
- Driver´s license B1, B.

Interests

- Software development and automation;
- Architecture/solutions design;
- Smart grids, renewable energy sources;
- Decentralized energy systems.

Professional Experience

NOS SGPS – Nos alfa TECH trainee (2020 Oct)

Operations – Automation & Tools
- Software development for automation and business processes.
- Technologies used: Node js (Nest js); MongoDB, Kubernetes, CI/CD, Postman.

Technical architecture/Digital enablement
- Development of Data/IT governance platform.
- Contact with: Microsservices, webServices, APIs, message queueing, API management (Apigee).
- Functional analysis/requirements gathering.
- Architecture/solutions design & data model (MySQL).
- Full stack developer: Java Spring Boot, React js.

Teacher

Prelúdio do saber (2019 Out – 2020 Mar)
- Math, Physics and Chemistry tutor to middle school students.

Math teacher (2020 Mar - Sep)
- Math teacher to high school students preparing for final exam.

EDP Distribuição
Internship (2018 Jan-Mar)

- Testing/Functional analysis to mobile app;
- Data analytics with Power BI.
- Walkthrough of the departments "Despacho e Condução" and "Technology and Innovation.

Math teacher-
2016 – 2018 / 2020 Mar - Sept

- Math teacher to high school students preparing for final exam.