Bruno SOARES
M.Sc. Electrical / Software Engineering – 8+ years' experience

Contacts

Porto, Portugal (available for remote)

brunommsoares@outlook.com

+351 914 218 407

/bruno-soares-engineering/

https://brunosoaresengineering.github.io/

About Me

With a Master's in Electrical and Computers Engineering, my expertise spans power systems and software engineering and I am seen as specialist / key person to ask. Beyond my technical skills, what sets me apart is my commitment to QUALITY. I am not only persistent and hardworking but also dedicated, kind and a great team player. Balancing perfection with objectives and strategy is a mindset that I bring to every project. I welcome challenges as opportunities for strength and growth and appreciate open discussions and feedback.

Skills & Competences

- Software Engineering (Full Stack Developer)
- Full Stack development technologies: JavaScript | TypeScript | HTML | CSS | Svelte | Node.JS | Docker | GitLab | CI/CD | Electron | MariaDB | SQL | REST | C++ | Redis + Unit test frameworks (Mocha, Chai, Sinon, Vitest...)
- Git repository management
- Cloud computing (administration, IaC, CI/CD – Azure)
- Communication networks (IP, IEC 61850, 61869...)
- Highly autonomous and efficient learner and worker
- Simplicity, collaboration and accountability
- Strong problem-solving skills
- Technical leadership and quality assurance
- Project and Stakeholder Management
- Customer centricity

Industries

- Railroad operator
- Power Systems/Renewables Industry
- Research & Development / Electric Utility
- Academia / Teaching

Experience

- 2023
Software engineer
(CP – Portuguese state railroad company)
- Full-stack software design and development
- Adoption of latest Cybersecurity measures
- API Development
- Workshop IT equipment manager

2023 - 2021
Power Systems Lead Engineer
(Vestas Wind Systems A/S)
- Functional leadership on electrical simulation models
- Quality assurance and sign-off
- Development of product strategy
- 2 scientific publications

2021 - 2019
Power Systems Assistant Lead Engineer
(Vestas Wind Systems A/S)
- Technical leadership on electrical simulation models

2019 - 2018
Power Systems Engineer
(Vestas Wind Systems A/S)
- Programming – C++, C, Python, Fortran, MATLAB/Simulink...
- Power System Simulations – PSSE, DigSILENT, PSCAD, EMTP-RV, PSAT/TSAT, Real-Time HIL...
- Power System Analysis – Grid Studies

2018 - 2015
Power System Researcher
(R&D Nester / REN)
- Protection, automation and control systems
- Hardware-in-the-loop laboratory experience
- Real-time simulation
- Industry communication network protocols
- 5 scientific publications + 1 patent

2015
Master Thesis Internship
(REN)
- Maintenance on Power Systems Protection

Education

2015 - 2008
M.Sc. in Electrical Engineering
(FE/UP University)
- Computer engineering, software development and databases
- Power Systems
- Final grade **18** out of 20

- 2015
Training Sessions
- Microsoft certifications, complex problem solving, developing emerging leaders, talent program, project management, PSS/E, PowerFactory, EMTP-RV, Riverbed Modeler, IxNetwork, Annue500, Omicron, Opal...

Languages

- English (C1)
- Portuguese (C2)