

Bruno SOARES

M.Sc. Electrical / Software Engineering – 8+ years’ experience



Contacts

Porto, Portugal (also available for remote)

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/bruno-soares-engineering

/BrunoSoaresEngineering

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 | Node.JS | React | Next.js | Svelte | Docker | GitLab | Electron | Vite | MariaDB | SQL | REST | C++ | Redis
- Good knowledge of OOP, data structures and algorithms
- Unit test frameworks (Mocha, Chai, Sinon, Vitest...)
- Documentation (Markdown, MkDocs...)
- Strong debugging and problem-solving skills
- Best practices: maintainable, clean, efficient code
- Experience on entire software development lifecycle: design, development, testing, deployment, support.
- Git repository management and CI / CD
- Cloud computing (administration, IaC, CI/CD – Azure)
- Communication networks (IP, IEC 61850, 61869...)
- Highly autonomous and efficient learner and worker
- Simplicity, collaboration, accountability: a team player
- Technical leadership and quality assurance
- Project and Stakeholder Management
- Customer centricity

Experience

- 2023

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Software engineer

(CP – Portuguese state railroad company)

 - Full-stack software design and development
 - CI / CD pipelines management in Gitlab
 - Adoption of latest Cybersecurity measures
 - REST API Development
 - Workshop IT equipment manager
- 2023

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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

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Power Systems Assistant Lead Engineer

(Vestas Wind Systems A/S)

 - Technical leadership on electrical simulation models
 - CI / CD pipelines management in Jenkins
- 2019

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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

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Power System Researcher

(R&D Nester / REN)

 - Protection, automation and control systems
 - Hardware-in-the-loop laboratory experience
 - Real-time simulation
 - Co-simulation platform development
 - Industry communication network protocols
 - 5 scientific publications + 1 patent

Education

- 2015

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M.Sc. in Electrical and Computers Engineering

(FE/UP University)

 - Computers engineering, software development and information systems
 - Power Systems
 - Final grade **18** out of 20
- 2015

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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)