

Bruno SOARES

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



Contacts

Porto, Portugal (available for remote)

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/bruno-soares-engineering/

<https://brunosoaresengineering.github.io/>

About Me

With a Master's in Electrical and Computers Engineering, my expertise spans power systems, programming, and automation. Beyond my technical skills, what sets me apart is my commitment to QUALITY. I am not only persistent and hardworking but also dedicated and kind. Striving for perfection is not just a goal but 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

- Power system simulation and analysis
- Software Technologies: JavaScript | HTML | CSS | Svelte NodeJS | Docker | GitLab | CI/CD | Electron | MariaDB
- Git repository management
- Control Theory and MATLAB/Simulink
- Cloud computing (administration, IaC, CI/CD – Azure)
- Substation Automation Systems (IEC 61850, 61869...)
- Power Systems Protection
- Real-time / HIL / SIL simulation systems
- Enthusiasm on hands-on activities
- Autonomous and efficient learner and worker
- Simplicity, collaboration and accountability
- Technical leadership and quality assurance
- New colleagues' mentorship
- Project and Stakeholder Management

Industries

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

Experience

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2023

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Software and electrical engineer

(CP – Portuguese state railroad company)

- Full-stack software development and design
- Adoption of latest Cybersecurity measures
- API Development

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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

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2021

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Power Systems Assistant Lead Engineer

(Vestas Wind Systems A/S)

- Technical leadership on electrical simulation models

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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

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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
- Industry communication network protocols
- 5 scientific publications + 1 patent

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2015

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Master Thesis Internship

(REN)

- Maintenance on Power Systems Protection

Education

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2015

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M.Sc. in Electrical Engineering

(FE/UP University)

- Power Systems
- Programming
- Final grade 18 out of 20

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2008

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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)