



Rui Miguel Rodrigues Duarte

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ABOUT ME

I consider myself an organized, proactive, resilient person who is autonomous in acquiring knowledge and completing tasks.

As a future IT professional, my goal is to develop and contribute to projects that have a positive impact on the community while fostering both my professional and personal growth. I believe I am well-equipped to work in a team and always eager to learn new skills.

Inexperience is the opportunity to create good job practices when nurtured properly.

WORK EXPERIENCE

Instituto Politécnico de Santarém – Santarem, Portugal

Research Grant Holder – C644943391-00000051 – SUSTAINABLE STONE BY PORTUGAL

[01/01/2026 – 30/06/2026]

Instituto Politécnico de Santarém – Santarém, Portugal

Research Grant Holder – C644943391-00000051 – SUSTAINABLE STONE BY PORTUGAL

[11/06/2024 – 10/12/2024]

- Development of REST APIs
- Creation of automated scripts
- Development of REACT applications
- Development of applications using NESTJS
- Integration of SageX3 ERP with proprietary applications

Instituto Politécnico de Santarém – Santarém, Portugal

Research Grant Holder – C644943391-00000051 – SUSTAINABLE STONE BY PORTUGAL

[01/04/2025 – 30/09/2025]

- Migration of JavaScript scripts to Node-Red workflows
- Process automation using Node-Red
- Integration of ERPs with proprietary applications
- Team collaboration
- Coordination with teams from different departments
- Data transmission through Kafka pipelines
- Data and Telemetry Visualization using Grafana and Prometheus
- Migrating integration systems from Node-Red to Temporal
- Automating Integrations processes with Temporal.

EDUCATION AND TRAINING

Masters in Applied Informatics

Instituto Politécnico de Santarém [31/10/2025 – Current]

City: Santarém | Country: Portugal | Website: <https://www.ipsantarem.pt/> | Field(s) of study: Information and Communication Technologies | Level in EQF: EQF level 7

Bachelor's Degree in Computer Science

Instituto Politécnico de Santarém [31/10/2025 – Current]

City: Santarém | Country: Portugal | Website: <https://www.ipsantarem.pt/> | Field(s) of study: Information and Communication Technologies | Level in EQF: EQF level 6

Bachelor's Degree in Informatics

Instituto Politécnico de Santarém [01/09/2022 – 29/10/2025]

City: Santarém | Country: Portugal | Website: <https://www.ipsantarem.pt/> | Final grade: 14 | Level in EQF: EQF level 6 | NQF Level: 15 | Type of credits: ECTS | Number of credits: 10 | Thesis: Business System & Process Integration

- System Integration.
- Migration from JavaScript to Node-Red.
- Integrating Sage X3 information with proprietary applications.
- Workflow creation and maintenance.
- Workflow optimization.
- Data acquisition and processing.
- Message propagation through Kafka pipelines.

Bachelor's Degree in Basic Education

Instituto Politécnico de Santarém [01/09/2019 – 31/08/2020]

City: Santarém | Country: Portugal | Website: <https://www.ipsantarem.pt/>

Science and Technology

Escola Básica e Secundária do Pinheiro [01/09/2016 – 31/08/2019]

City: Penafiel | Country: Portugal | Website: <https://ebspinheiro.net/cms/> | Level in EQF: EQF level 4

NESTJS Course

udemy

Website: <https://www.udemy.com/>

Cybersecurity Workshop

Instituto Politécnico de Santarém

Website: <https://www.ipsantarem.pt/>

Lowcode Workshop

WHYMOB [02/05/2024 – 09/05/2024]

City: Santarém | Country: Portugal | Website: <https://www.ipsantarem.pt/> | Field(s) of study: Information and Communication Technologies

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):**inglês****LISTENING C1 READING C1 WRITING C1****SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2***Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user***SKILLS**

Conhecimentos de Linux / NODE / Linux Ubuntu / Debian

Frameworks

Mqtt / NESTJS / Node.js / Kafka / Flask / React

Languages

PHP / Java / HTML / Python / JavaScript / Batch

Tools

CSS / Docker

Database

MongoDB / Postgres / SQL / MySQL

Integration Tools

Restfull API / Temporal / GraphQL / Apache Kafka / Node-Red

Project Management and Code Versioning

GitHub / Azure DevOps / Git / Team Collaboration / Leadership

Communication Tools

Zoom / Microsoft Teams

Data Visualization

Dashboards v2 / Prometheus / Grafana

DRIVING LICENCE

Driving Licence: B1**Driving Licence:** B

LEADERSHIP AND MANAGEMENT SKILLS

Coordenação, gestão e execução de trabalho e projetos em equipa

Research Grant:

- Planning and execution of tasks successfully, ensuring timely delivery of results
- Organizing and coordinating tasks through effective communication and sharing of new ideas with supervisors

Academic Projects:

- Project and team management
- Collaborative work with peers to successfully complete complex academic projects
- Planning and execution of tasks through the development and implementation of project timelines, ensuring on-time delivery of results

SOCIAL AND COMMUNICATION SKILLS

Empathy, active listening, conflict resolution, cooperation, assertive interaction

- Teamwork: collaboration with colleagues at work and university
- Effective communication: ability to provide and receive constructive feedback
- Interpersonal relationships: building strong connections with colleagues both at work and in academic environments

ORGANIZATIONAL SKILLS

Time management and task coordination

- Effective balance between academic and personal commitments
- Ability to prioritize tasks and manage multiple responsibilities simultaneously
- Implementation of schedules to achieve goals