

# Rui Pedro Carneiro de Faria

## Software Engineer at Critical Software

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Maia, Porto

### SUMMARY

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Engineering technician with 3+ years experience working in the building automation and HVAC Systems field and over the last year transitioned to Software Engineering.

Well-versed in providing and managing clients, from various industries, with scalable solutions to optimize their building efficiency and respond to their day-to-day needs with Siemens' technologies.

Eager to leverage technical skills and passion for web development to deliver high-quality, efficient and scalable web solutions as a Junior Front-End Developer.

### EXPERIENCE

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#### Software Engineer for Critical Software

2023 - Present

##### Porto, Porto

Enrolled in Research and Development project aimed to create a prototype tool to potentially reduce execution workflow by 30% in the System requirement design phase of the Software Development Life Cycle (SDLC).

Enrolled in Critical-Safe projects for the aviation industry executing support-level tasks in the validation phase of the project. Including documentation, setting up test environments, conducting reviews and analysing requirement design.

Applied Agile, Waterfall, and Scrum methodologies and SDLC during project life cycle.

#### Engineering technician for Siemens SA

2019 - 2023

##### Perafita, Porto

Leveraged experience in programming, assembling, electrifying, and commissioning of automation stations to develop efficient and reliable building automation and HVAC systems solutions using Siemens Xworks software.

Designed and promoted personalized Siemens' building management system interfaces with Desigo CC, following UX/UI principles and client preferences, resulting in improved user experience.

Maintained direct communication and managed over 50 clients across multiple industries, providing technical support, coaching, and attending meetings to ensure customer satisfaction.

Familiar with Agile and Scrum methodologies, leveraging basic knowledge to improve team collaboration and project delivery.

## EDUCATION

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### **Bachelor's degree in Electrotechnical and computer engineering ISEP - Instituto Superior de Engenharia do Porto**

Knowledge in electrical circuit theory, math, physics, digital systems, programming, Electronics, Data communication, Electrical machines, electromagnetic systems, automation, software, and hardware development.

### **The Complete 2023 Web Development Bootcamp** Udemy

**2023**

Covered a range of web development topics and technologies, including HTML5, CSS3, Bootstrap, JavaScript, ES6, DOM manipulation, jQuery, Unix, GIT/Github, Node.js, Express.js, API development, database fundamentals, SQL and NoSQL databases, deployment, building RESTful APIs, authentication, and security. Additionally, we put our skills to the test by building 16 web development projects that incorporated these technologies.

### **JS Bootcamp 2023 — Deep dive into React** DSR Corporation — Doing Software Right

**2023**

Introduction to React, covering topics such as Virtual DOM, Fiber, Building and Bundling. An overview of Redux and Hooks, including Middleware, Forms, and React Routing. Tips and tricks for working with React 18, as well as browser and animation techniques using JS and CSS. The course includes six home assignments and one course project.

## TECH STACK & SKILLS

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Coding: C/C++, JavaScript, HTML, CSS, Bootstrap, DOM, JQuery, React.js, Node.js, GIT, MongoDB.

Design: Figma, Photoshop.

Management: Polarion, Jira

## CERTIFICATES

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Certificate portfolio: [Link](#)

LinkedIn: [Link](#)

GitHub: [Link](#)

## LANGUAGES

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Portuguese (Native), English (Fluent), and German (Certified A2.2).

## INTERESTS

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Programming, Electric mobility, Image and video editing, design, Web and Game development.