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|  | **Tarcila Gesteira da Silva**  Vila Real, Portugal • contact@tarcilasilva.com  (+351)-912-010-498 • [LinkedIn URL](https://www.linkedin.com/in/tarcilasilva/) |  |

**Software Development Engineer Profile**

*Accomplished and success-oriented engineer with extensive experience in software development and business process management.*

Excellent knowledge of multiple coding languages and able to understand the algorithmic ideas behind the code and software development fundamentals. Demonstrated expertise in providing guidance to business partners, project members, and team members with respect to technical feasibility, complexity, and level of effort required to deliver software. Solid understanding of software QA and development processes and methodologies, especially working with Agile practices with continuous integration. Strong advocate and evangelist for software engineering best practices to help ensure quality and performance as well as motivated team player with curiosity, desire to learn, and ability to dig in to existing systems/processes and figure them out.

*Software & System Development / Problem Solving / Project Management*

*Research & Analysis / Knowledge Management / Team Training & Leadership / Effective Communication*

**Technical Proficiencies**

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| ***Tools & Techniques:*** | Object-Oriented Programming, Data Structure, Design Patterns, MVC, Agile Methods, Scrum, Kanban, Software Quality, Clean Code, Testing, Git (Github and Gitlab), PHP, Composer, Laravel, Codeignither, WordPress, JavaScript, jQuery, Data-Tables, C, C++, Python, Java, HTML, CSS, Bootstrap, ActionScript, Delphi, , Database, PostgreSQL, MySQL, DB2, Oracle, Software Engineering, System Analysis, Modeling Design, BPMN, UML, Flowchart, Schema Design, Architecture Design, Project Management, PMBOK, BPM CBOK, Bizagi, MediaWiki, Moodle, Redmine, Trello, Slack, Discord, Testlink, Project, LibreOffice, Microsoft Office, GIMP, Open Simulator, Adobe Photoshop, Adobe Flash, Windows, Linux, Virtual Box and Apache |

**Professional Experience**

**Information Technology Analyst – CEFET/RJ** (Dec 2014 – Sep 2019) Federal Center for Technological Education Celso Suckow da Fonseca, Rio de Janeiro, Brazil

Developed systems for different purposes that helped in minimizing time to run key processes, including employees assessment and purchasing management. Presented documentation regarding systems and procedures leading to reduce need for training. Contributed in evaluating committee of teaching, research, and extension week being the largest event promoted by institution. Performed as chief of IT projects department for almost three years and worked mainly with software development projects. Assisted with mapping and modeling business processes of IT department to adhere government standards.

***Key Achievements:***

* Implemented management support tools that resulted in an increase in project control and delivered valuable information for decision making.
* Conducted research in fields of software engineering and information systems that brought innovations to systems development department.
* Encouraged management of knowledge via MediaWiki platform that allowed construction of knowledge in a collaborative way.
* Functioned with IT governance and supported in maintaining strategic documents being utilized to direct company’s development for five years.
* Aided strategic management board by providing effective advise on business processes and delivered BPMN & Bizagi training to approximately 150 employees.

**IT Process Analyst – EBSERH** (Sep 2014 – Nov 2014) Brazilian Company of Hospital Services, Santa Maria, Brazil

Maintained reports with critical data having no longer available on new management system. Performed mapping of business processes of subsidiary that recently joined the company.

**Key Achievements:**

* Acquired great understanding of work at branch and subsequently undertook best practices for all company.

**Additional Experience:**

* **Professor – UFSM** at Federal University of Santa Maria, Santa Maria, Brazil
* **Professor – URCAMP** at University of the Campaign Region, São Gabriel, Brazil
* **Teaching internship – CTISM** at Industrial Technical College of Santa Maria, Santa Maria, Brazil
* **Distance Learning Platforms Technician – FATEC** at Technology and Science Support Foundation, Santa Maria, Brazil
* **Researcher Professor – UAB** at Open University of Brazil, Santa Maria, Brazil
* **Internee – FATEC** at Technology and Science Support Foundation, Santa Maria, Brazil
* **Scientific Initiation Scholarship – UFN** at Franciscan University, UFN, Santa Maria, Brazil
* **Computer Technician / Teacher – NCE/UFRJ** at Tércio Pacitti Institute of Computational Applications and Research of UFRJ, NCE/UFRJ, Rio de Janeiro, Brazil

**Education and CREDENTIALS**

**PhD in Informatics** (In Progress)

University of Trás-os-Montes and Alto Douro, UTAD, Vila Real, Portugal

**Licentiate in Teacher Training for Professional Education** (2014)

[Federal University of Santa Maria](https://www.ufsm.br/), UFSM, Santa Maria, Brazil

**Master's in Computer Science** (2012)

[Federal University of Santa Maria](https://www.ufsm.br/), UFSM, Santa Maria, Brazil

**Bachelor in Information Systems** (2009)

[Franciscan University](https://www.ufn.edu.br/site/), UFN, Santa Maria, Brazil

***Professional Certifications***

**Agile Methodologies**: Introduction to Agile Methods, Lean Startup, Scrum | **Laravel**: Making PHP Development Easier, More Techniques and Powerful Webapps, Web Development Productivity, Working with Authentication, Relationships and Tests | **PHP**: Fundamentals, Cookies, Sessions and More Resources, Object-Oriented Programming I, Object-Oriented Programming II, SOLID, PDO I, PDO II, Design Patterns I, Design Patterns II, Test-Driven Development | **WordPress**: Elementor, WhatsApp Integration and Internationalization, Pages, Themes and Good Practices, Creating Themes | **Python**: Fundamentals, Advancing, Object-Oriented Programming | **VIM**: Fundamentals and Good Practices | **COBIT 5**: Corporate Governance, Principles, Enablers, Process Implementation and Assessment | **ITIL**: IT Management, Service Strategy and Service Design, Service Transition and Service Operation, Continual Service Improvement | **Presentation Design**: Visual Principles and Techniques, Script, Drawing and an Impact Presenter

***Languages***

Portuguese – Native | English – B2 | Spanish – A2