

JALVES MENDONÇA NICACIO

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Software Engineer and Computer Science Professor with over 20 years of experience in software development, web technologies, and higher education. Strong expertise in full stack development, system architecture, databases, and digital accessibility (WCAG), combined with professional experience in both Canada and Brazil. Known for autonomy, strong problem-solving skills, and the ability to design, develop, deploy, and maintain robust, scalable software solutions. Experienced in collaborating with multidisciplinary teams and contributing effectively in professional, production-level environments.

Languages : Portuguese, French, English

TECHNICAL SKILLS :

- Front-end : HTML5, CSS3, JavaScript, React, Next.js
- Back-end : Node.js, Express
- Databases (Relational & NoSQL) : PostgreSQL, MySQL, MongoDB
- Other: WordPress development, Digital accessibility (WCAG)
- Development tools: Git, GitHub, Docker

PROFESSIONAL EXPERIENCE

2017-present : **Computer Science Professor**

Enterprise: *Federal Institute of Education, Science and Technology of Alagoas (Maceió, Brazil)*

- Teach web development and programming (Java, JavaScript, HTML, CSS) to hundreds of students across multiple classes.
- Designed and developed a science fair management web application (Next.js, PostgreSQL) used by municipal and state schools to organize and showcase student projects.
- Coordinate the technical computer science program, overseeing academic planning and administrative activities.

2021-2023 : **Full Stack Web Developer**

Enterprise: *Katapub, Saguenay (Quebec)*

- Developed and maintained modern websites for clients in the medical and corporate sectors using PHP, JavaScript, and MySQL.

- Contributed to the redesign of a corporate website, improving performance, user experience, and accessibility (WCAG).
- Collaborated with multidisciplinary teams (design, business analysis, marketing) in an agile development environment.

2014–2016 : **IT Project Manager**

Enterprise: *City of Maceió (Maceió, Brazil)*

- Planned and coordinated web systems development projects for municipal public administration.
- Supervised an IT team, managing priorities, resources, and risks to ensure project delivery and quality standards.
- Led the development of the Public Data Transparency System (e-SIC), which became a regional reference for digital governance and access to public information.

EDUCATION

2019-2024 **PhD in Information Science and Technology**

Institution: Université du Québec à Chicoutimi (UQAC), Saguenay, Quebec, Canada

2011-2017 **Master's Degree in Computer Knowledge Modeling**

Institution: Federal University of Alagoas, Maceió, Brazil

1998-2006 **Bachelor's Degree in Computer Science**

Institution: Federal University of Alagoas, Maceió, Brazil