Fernando de Souza Aires

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🔗 fsaires.github.io

EDUCATION

Graduate Certificate in Data Science and Big Data
PUC - Pontifical Catholic University of Minas Gerais 🔗

2021
Belo Horizonte-MG, Brazil

Full Stack Developer Bootcamp
IGTI - Institute of Management and Information Technology 🔗

02/2021 – 05/2021
Belo Horizonte-MG, Brazil

- Learned and applied technologies such as HTML, CSS, and JavaScript.
- Developed APIs using Node.js.
- Created frontend projects utilizing React.
- Implemented data persistence in MongoDB databases.
- Utilized Git for source code version control.

Graduate Certificate in Database
IESB - Institute of Higher Education of Brasília 🔗

2009
Brasília-DF, Brazil

Bachelor of Sciense in Information Systems
UNIEURO - Euro-Americano University Center 🔗

2006
Brasília-DF, Brazil

PROFESSIONAL EXPERIENCE

Data Administrator
CAIXA

05/2024 – present

- Working as a Data Administrator, validating corporate data models and managing the model repository.

Principal Consultant
CAIXA Seguridade

10/2021 – 05/2024
Brasília-DF, Brazil

- Provided support and maintenance for the Time de Vendas system, using Python for backend development, Vue.js for frontend, and SQL Server for data persistence.

Mid Assistant
CAIXA

04/2018 – 10/2021

- Created detailed architecture artifacts and technical documentation for SUART, ensuring clear communication of system designs and specifications.
- Conducted thorough analysis and exploration of new technological solutions to improve system efficiency and innovation.
- Managed change implementations in the production environment for CEPTIBR, ensuring smooth transitions and minimal disruptions.
- Developed a management dashboard to streamline change analysis and approval, utilizing PHP Laravel for backend development, Bootstrap for frontend, and PostgreSQL for data persistence.

IT Consultant
Ministry of Education (Ministério da Educação - ME)

11/2016 – 01/2018
Brasília-DF, Brazil

- Developed and maintained web systems using jQuery, HTML5, Bootstrap, PHP, and PostgreSQL.

- Provided support and enhancements for the SIMEC (Integrated Monitoring, Execution, and Control System) and PDDEINTERATIVO (Interactive Development Plan) systems, including the development of new modules (link to project) and (link to project).

- Conducted data modeling and managed organizational systems for intranet platforms.

- Utilized proprietary PHP frameworks, AJAX methodology, and JavaScript (AJAX and jQuery) to build dynamic web applications.

- Designed and implemented solutions to ensure optimal performance and reliability of systems.

Senior Software Engineer
Cast IT Group working in Ministry of Education

11/2016 – 01/2018
Brasília-DF, Brazil

- Supported and maintained PHP-based systems for the Ministry of Education (MEC), specifically the SIMEC (Integrated Monitoring, Execution, and Control System) (https://simec.mec.gov.br).

- Developed and enhanced SIMEC, which won multiple public software awards, including the 'E-gov 2013' and 'Best Practices CGU 2014 and 2015'.

- Conducted SQL query design and execution for data extraction and reporting.

- Provided user support and issue resolution to ensure system usability and performance.

- Utilized SCRUM methodology for agile development and project management, specializing in PHP and JavaScript stack, PostgreSQL database modeling and maintenance in Docker, and libraries such as Laravel, JQuery, ExtJS, Google APIs, and Bootstrap.

IT Consultant
Ministry of Education (Ministério da Educação - ME)

04/2012 – 06/2016
Brasília-DF, Brazil

- Developed and maintained web systems using jQuery, HTML5, Bootstrap, PHP, and PostgreSQL.

- Provided support and enhancements for the SIMEC (Integrated Monitoring, Execution, and Control System) and PDDEINTERATIVO (Interactive Development Plan) systems, including the development of new modules (link to project 🔗) and (link to project 🔗).

- Conducted data modeling and managed organizational systems for intranet platforms.

- Utilized proprietary PHP frameworks, AJAX methodology, and JavaScript (AJAX and jQuery) to build dynamic web applications.

- Designed and implemented solutions to ensure optimal performance and reliability of systems.

Software Engineer
Brazilian Confederation of Agriculture and Livestock (Confederação da Agricultura e Pecuária do Brasil - CNA)

10/2011 – 04/2012
Brasília-DF, Brazil

- Developed and maintained web systems using jQuery, CSS, HTML, PHP, ASP, and databases such as SQL Server and Oracle.

- Conducted requirement analysis and created technical specifications to guide development and ensure alignment with project goals.
- Managed user support and troubleshooting to resolve issues and improve system usability.
- Designed and executed SQL queries for report generation and data extraction.
- Utilized object-oriented PHP, AJAX methodology, and JavaScript frameworks (Prototype and jQuery) for dynamic web applications on intranet and extranet platforms.

IT Consultant
National Fund for the Development of Education (Fundo Nacional de Desenvolvimento da Educação - FNDE)

07/2010 – 07/2011
Brasília-DF, Brazil

- Developed and maintained web systems using JavaScript (jQuery), CSS, HTML, and PHP with frameworks such as Symfony 1.0 and databases like Oracle.
- Provided support and enhancements for the CACS system (Social Control and Monitoring Council of FUNDEB), including developing new modules (link to project 🔗).
- Conducted requirements analysis, data modeling, and specification to ensure efficient database structures and optimized data utilization.
- Utilized object-oriented PHP for scalable web applications, applying AJAX methodology for dynamic user interfaces.
- Managed version control with Tortoise SVN, ensuring robust version management and collaboration.

Software Engineer
Ministry of National Integration (Ministério da Integração Nacional - MI)

09/2007 – 06/2010
Brasília-DF, Brazil

- Conducted comprehensive requirement analysis and data modeling using DBDESIGNER to ensure effective database structure design.
- Developed and maintained web and intranet systems utilizing JavaScript, CSS, HTML, PHP, and databases including Oracle, MySQL, and PostgreSQL.
- Led the development and implementation of the RENER (National Emergency Radio Amateur Network) project, ensuring its robust functionality.
- Provided ongoing support and maintenance for PHP-based systems, ensuring continuous performance and reliability.
- Utilized object-oriented PHP, AJAX methodology, and frameworks to create dynamic and responsive user interfaces for organizational systems on internet and intranet platforms.

Mid Software Engineer
Politec Global IT Services working in Correios

08/2006 – 07/2007
Brasília-DF, Brazil

- Conducted comprehensive requirement gathering and analysis to understand project needs and objectives.
- Created detailed use cases, Terms of Reference (TRs), Business Vision Documents, Product Vision Documents, and Process Vision Documents to ensure clear and structured project documentation.
- Performed data modeling using the CA ERWIN tool to design and structure databases effectively.

- Developed and maintained web and intranet systems utilizing JavaScript, ColdFusion (CFM and CFC), and database technologies (SQL Server and Oracle).

- Spearheaded the development and upkeep of logistics management systems for internet and intranet platforms, employing programming languages such as ASP, CSS, HTML, JavaScript, and AJAX.

SKILLS

Databases
MySQL, MongoDB, Oracle, PostgreSQL, SQL Server

Programming Languages
ColdFusion, CSS3, HTML5, Javascript, Python, PHP

Frameworks/Libraries
Bootstrap, Flask, jQuery, Laravel, Node.js, React, Vue.js

Tools/Platforms
Composer, DBeaver, GitHub, GitLab, Power BI, Visual Studio Code

Methodologies
Agile, Scrum, Kanban

Web Technologies
AJAX, JSON, XML, REST APIs

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals 🔗
Issued May 2023

Scrum Fundamentals Certified (SFC) 🔗
Issued Oct 2017

Oracle Database 11g Administrator Certified Associate 🔗
Issued Jun 2015

ITIL Service Management Foundation 🔗
Issued Nov 2014

Oracle Database SQL Certified Expert 🔗
Issued Feb 2014

CPRE-FL – Certified Professional for Requirements Engineering – Foundation Level 🔗
Issued Nov 2013

Adobe Coldfusion MX 7 Developer
Issued Apr 2008

SHORT COURSES

Oracle Database 10g: Backup and Recovery	2009
18 hours	Brasília-DF, Brazil

Oracle Database 10g: Performance Tuning	2009
24 hours	Brasília-DF, Brazil

Oracle Database 10g: SQL Tuning Workshop
18 Hours

2009
Brasília-DF, Brazil

Oracle Database 10g: Advanced PL/SQL
12 hours

2009
Brasília-DF, Brazil

Oracle Database 10g: Program with PL/SQL
30 Hours

2009
Brasília-DF, Brazil

Oracle Database 10g: Introduction to SQL
30 hours

2009
Brasília-DF, Brazil