PEDRO CONRAD JUNIOR

IT ANALYST | SOFTWARE DEVELOPER | PHP | FLUTTER | JAVASCRIPT

ABOUT ME

I develop my work focusing on Information Systems and I'm always searching for new challenges. I work with computing since 1996, when I was just developing systems to learn something new.

Talking about systems development, I worked in desktop projects (in the beginning of 2000's using Visual Basic and Delphi, and most recently using C#); systems built for use with web browsers through HTML, CSS, Javascript and PHP. In the last couple years I'm working with Flutter, focusing mainly in mobile devices.

I also work occasionally managing teams, helping to define development processes and software architecture, and modeling databases, creating and reviewing technical and user documentation, evaluating tools and reviewing code.

Throughout my journey I can safely say that I consider myself an 'eternal apprentice', as I'm always learning with organizations, their culture, technology and mainly, with people.

CONTACT INFO

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ONE MORE THING

You can see some of my published articles and videos of my personal projects in my web portfolio:

https://pconradjunior.github.io/index_en.html

LATEST EXPERIENCE

Universidade Federal do Pampa
Information Technology Analyst
June 2010 - Present (11 years 9 months)
Alegrete, Brazil

Responsibilities:
- Software Modeling using UML
- Software Documentation Review
- Web Application Development using PHP
- Systems Documentation
- Mobile Application Development using Cordova and Flutter
- Development teams eventual coordinator from January 2016 to July 2019 (3 years 7 months)

Universidade Federal de Pelotas
Information Technology Technician
October 2009 - June 2010 (9 months)
Pelotas, Brazil

Responsibilities:
- Web Development in PHP
- Virtual Learning Environment Administration and Maintenance (Moodle)

Universidade da Região da Campanha
Professor, Web developer
August 2002 - October 2009 (7 years, 3 months)
Bagé, Brazil

Responsibilities:
- Teacher in computing area in subjects like programming, computer architecture, artificial intelligence, and database modelling
- Web developer, responsible for developing and maintenance of university portal, together with Communication Department staff (from 2006 to 2009).

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TOP SKILLS

Systems Analysis
- Requirements Analysis
- User Interviews
- User Documentation
- Technical Evaluation

Web Development
- HTML & CSS
- PHP (using specially CodeIgniter)
- Javascript (mostly using jQuery)

Databases
- MySQL
- PostgreSQL

Mobile Apps Development
- Apache Cordova
- Flutter

Server Configuration
- Ubuntu Linux
- Shell Script
- Apache

Code Versioning
- Git
- Subversion (SVN)

Other Habilities
- Project Management
- Team Training
- User Support

LANGUAGES

- Portuguese (Native)
- English (Professional Working)
- Spanish (Elementary)

EDUCATION

Universidade da Região da Campanha
Higher Education Teaching
Specialist Degree
2004 - 2006

Universidade da Região da Campanha
Informatics
Bachelor's Degree
1998 - 2002

Universidade da Região da Campanha
Data Processing Technician
Technical Degree
1995 - 1997

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PROFESSIONAL PROJECTS PORTFOLIO

This section presents my last decade's most important projects, focusing on development and technical team training.

GURI - GESTÃO UNIFICADA DE RECURSOS INSTITUCIONAIS

Development Period: 2011 - 2022

Purpose: Modular ERP system to manage administrative resources, operating in the most diverse areas, divided into more than 50 modules.

Technologies: PHP, IBM DB2, CodeIgniter
Publicly Available: No (Registered Software)
Role: Requirements Analyst, Module Manager, Developer, Documenter, Code and Documentation Reviewer

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PROJECT MODULES AND TEAM ROLE

- **Internal Auditing**
  - **Purpose:** Keep track of internal auditing processes
  - **Role:** Module Manager, Requirements Analyst
- **Library**
  - **Purpose:** Control book lending and issuance of cataloging sheets
  - **Role:** Develop cataloging sheet feature
- **Collection**
  - **Purpose:** Generate documents for fee payment
  - **Role:** Module Manager
- **Purchase**
  - **Purpose:** Manage internal departments purchasing requests
  - **Role:** Developer
- **Institutional Events**
  - **Purpose:** Manage participant registrations, article submission and evaluation processes, generate event proceedings of academic events being held.
  - **Role:** Requirements Analyst, Core Developer,
- **Scientific Production Extractor**
  - **Purpose:** Obtain scientific production data from an external source, compile and generate researchers production reports.
  - **Role:** Requirements Analyst, Main Developer
- **Newsletter**
  - **Purpose:** Create rich electronic correspondence to be sent to mailing lists.
  - **Role:** Requirements Analyst, Developer
- **Ombudsman**
  - **Purpose:** Receive manifestations and information requests from the public and manage fulfillment.
  - **Role:** Module Manager, Requirements Analyst
- **Dashboards**
  - **Purpose:** Maintain report dashboards for viewing on client site
  - **Role:** Requirements Analyst, Main Developer

- **User Password Support**
  - **Purpose:** Manage password recovery requests and creation of email aliases
  - **Role:** Main Frontend Developer
- **Assets Managing**
  - **Purpose:** Manage institution assets through registration, transfers, loans and inventory maintenance
  - **Role:** Analyst and Developer of Inventory functionality
- **Portal (Core module)**
  - **Purpose:** Main module, with login and action audit functionality
  - **Role:** Requirements Analyst,
- **Internal Protocol**
  - **Purpose:** Register and control internal documentation processing
  - **Role:** Requirements Analyst, Developer
- **Reports Creation**
  - **Purpose:** Create and issue standardized or customized system reports created by analysts and made available to users.
  - **Role:** Requirements Analyst, Developer
- **University Restaurant**
  - **Purpose:** Control information and status of University Restaurants
  - **Role:** Developer of communication functionalities with terminals and fingerprint authentication mechanism.
- **Security Module**
  - **Purpose:** Control internal system permissions and audit user actions
  - **Role:** Analyst, Developer
- **SISU - Unified Selection System**
  - **Purpose:** Allow importing data from candidate students from external sources and facilitate the enrollment process.
  - **Role:** Requirements Analyst, Developer for Data Importing
- **External Users**
  - **Purpose:** Allow the registration of external user accounts (guests) for using internal infrastructure (e-mail, wifi, LAN)
  - **Role:** Requirements Analyst, Developer, Documenter

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TERMINAL RU - RESTAURANT SERVICE TERMINAL

Development Period: 2016 - 2019

Purpose: Service terminal for University Restaurants.
Technologies: PHP, PostgreSQL, CodeIgniter, Bootstrap, TCP/IP Socket communication

Publicly Available: No
Role: Requirements Analyst, Developer (communication library for fingerprint access control device, remote app update mechanism).

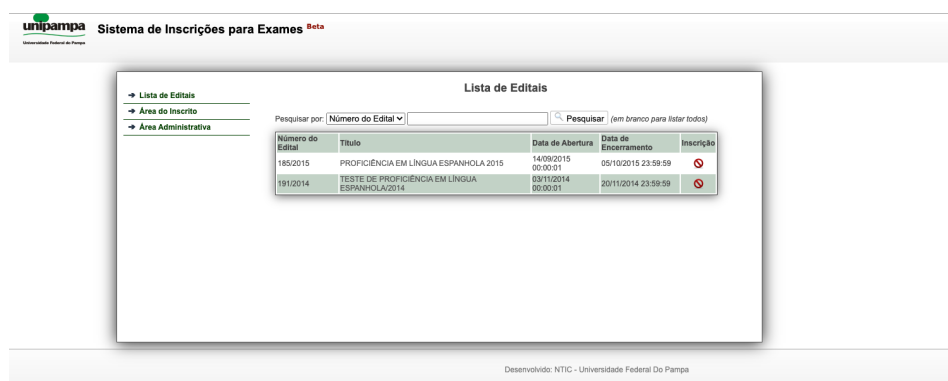## PROFICIENCY EXAM REGISTRATION SYSTEM

Development Period: 2012

Purpose: Manage registration process for Language Proficiency Tests

Technologies: PHP, MySQL, CodeIgniter

Publicly Available: No
Role: Analyst, Core Developer

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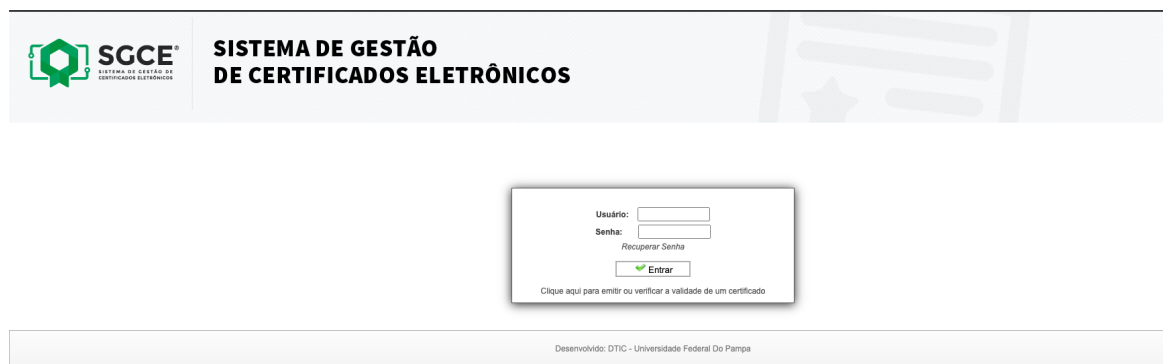## SGCE - SISTEMA DE GESTÃO DE CERTIFICADOS ELETRÔNICOS

Development Period: 2010

Purpose: Issue, control and certify the validity of attendance certificates for events or courses held by the institution.

Technologies: PHP, PostgreSQL, CodeIgniter

Publicly Available: Yes, via Portal do Software Público Brasileiro
Role: Analyst, Main Developer

RELATED PROJECTS

Terminal RU - System Image
Development Period: 2017 - 2019

Purpose: Creation and update of pre-configured system image for new installations or disaster recovery
Technologies: Ubuntu, Shell Script, PHP, Bodhibuilder

Publicly Available : No
Role: Requirements Analyst, Script Developer

Basic Onboarding PHP Training
Development Period: 2012 - 2019
Role: Onboarding Instructor, Documentation Writer