

Alessandra Freitas Araujo

Software Developer

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SUMMARY OF QUALIFICATIONS

- Software developer/IT Business Analyst with solid experience working at financial institutions and software house.
- Bachelor's Degree in Computer Science and Post Graduate Diploma in Software and Database Technology.
- Excellent programming skills, experience with analysis, development, code, debug and test computer programs for straightforward assignments.
- Knowledge of professional software engineering practices and best practices for the full software development life cycle, including coding standards, code reviews and source control management.
- Scrum certified professional, skilled in working with Agile Development Team to deliver high-quality solutions.
- Pro-active team player with the ability to effectively interact with stakeholders, end-users, business analysts, and technical resources to gather requirements and prepare design specifications as instructed by senior team members.
- Strong knowledge of Computer Science fundamentals in object-oriented design, data structures algorithm design, problem solving, and complexity analysis.
- Passion for continuous learning in order to keep up to date on current technology trends as well as the ability to learn quickly and apply new skills in the market.

TECHNICAL SKILLS

- Experience with Object-Oriented Programming (OOP) and Object-Oriented Design (OOD).
- Solid experience with relational databases: Oracle, SQL Server, PostgreSQL. Knowledge of SQLAlchemy, MongoDB and Cassandra.
- Programming experience with VBA, Python, PL/SQL, XML, JSON, XLST, .NET C#, APIs, JavaScript.
- Experience with BeautifulSoup, Requests, Numpy, Matplotlib and Pandas python libraries during development lifecycle.
- Experience with cleaning, transforming, merging and reshaping data frames.
- Experience working with Python Integrated Development Environment like PyCharm, VS Code, Jupyter Notebook, Anaconda. Data visualization using Tableau.
- Knowledge of machine learning algorithms such as Neural Networks, K-Means, Support Vector Machine.
- Experience with data modeling using PowerDesigner and ER-Win.

PROFESSIONAL EXPERIENCE

Software Developer

Adastra Corporation, Toronto, ON

October 2019 – March 2020

- Create new features and enhance automated tools that transform, and process data required to upload into a compliance monitoring software, using VBA, Python, XML.
- Develop Python scripts to clean, transform and generate data to feed the process.
- Run assigned test cases for each data flow process.

IT Business Analyst/Software Engineer

ITAU BANK, São Paulo, BR

June 2007 – July 2019

- Acted as a liaison between functional business units and IT. Elicited and documented requirements for new software applications.
- Provided software requirements to programmers and web developers to address software needs. Supported functional tests and Change Requests required by business team.
- Data modeling and backend development using Java Spring, C# .NET and databases such as MS SQL Server, ORACLE and Cassandra. Development of XML interfaces using XSLT.
- Developed KPI Indicators using Tableau and Excel / VBA.
- Performed as a Team Member on an agile team focused on software delivery and support. Developed the product backlog along with Product Owner. Participated in sprint planning, daily scrums, testing, retrospectives and sprint reviews.
- PL/SQL development, created triggers, stored procedures and functions.
- Provided support applications, maintenance and enhancement.
- Implemented a workflow at the legal department of Itaú Bank (largest private bank in Brazil) to manage complex legal documentation and tasks using IBM FileNet, VB.NET and SQL Server.

EDUCATION

- **SCS Data Analytics Boot Camp** (September, 2019 to March, 2020)
University of Toronto
- **Certificate in Machine Learning with Python**
Museum and School of Applied Mathematics (PRANDIANO), São Paulo – Brazil.
- **MBA in Software Technology**
Polytechnic School - University of São Paulo (School of Continuing Studies - PECE).
- **Post Graduate Diploma in Database Technology**
State University of Ceará - Brazil (UECE).
- **Bachelor's in Computer Science**
University of Fortaleza – Brazil (UNIFOR).