Alexandre Bartie

São Paulo, SP, Brazil

# SUMMARY

# Highly experienced software engineer and test architect with extensive experience deploying and improving testing frameworks in medium and large size companies in Brazil, using TDD/BDD test approaches, C#, TypeScript/JavaScript, VB, .Net, OOP, Playwright, Cypress, Selenium, Cucumber, Specflow, GIT, Azure-DevOps and other tools, achieving test efficiency and reducing software development rework.

# Recognized as a technical leader, who uses his extensive experience to design and build resilient solutions, reinforcing technical skills and implementing tools, metrics, standards, and frameworks.

# Great experience to plan, design and build automation architectures to reduce the time, complexity, and cost of maintenance of development and test environments, integrated by CI/CD tools and reinforcing the 'shift left' development concept to increase the quality of the project.

# Fluent in Portuguese, and intermediate English to read, write and conversation.

# EDUCATION

Master of Business Management

Universidade de São Paulo, São Paulo, SP, Brazil (1999-2000)

Master of Business Administration

Instituto Trevisan – Business School, São Paulo, SP, Brazil (1996)

Bachelor of Business Administration Degree • Concentration in IT

Fundação Santo André, Santo André, SP, Brazil (1991-1995)  
  
Technical Data Processing

ETE Lauro Gomes, São Bernardo do Campo, SP, Brazil (1986-1988)

# LANGUAGES

Portuguese (native)

English (advanced C2)

# SKILLS AND TOOLS

**Methodology & Frameworks:** Scrum, Kanban, Lean, PMI, Six Sigma, CMM-I, RUP, UML, OOP

Languages Development: C#, .Net, TypeScript/JavaScript, Visual Basic (VB), VBA, Transact-SQL, Gherkin;

**Tools & Libs Automation:** Playwright, Cypress, Selenium, Cucumber, Specflow, React, Electron.

**Test Automation (White Box):** Unit Testing (TDD) and Component Testing (BDD);

**Test Automation (Black Box):** Load / Stress Testing; Smoke, Regression and Acceptance Testing;

**Analysis Techniques:** Structured, Essential and Object-Oriented Analyses; Modeling Databases;

**Databases:** MS SQL Server, Oracle, MySQL

**CI/CD and Cloud Platforms:** Azure DevOps; Azure; AWS;

**CAREER HISTORY**

**YDUQS (Education Sector)**

**SENIOR TEST ARCHITECT – Oct 2021 – August 2022**

Implemented pipelines in Azure DevOps to trigger automatic regression tests (GIT, Java, Selenium, Maven) to integrating a CI/CD workflow, monitoring the automation and error logging.

Mentored technical leaders and software engineers to use unit test automation (JUnit, MS-Test frameworks) in all software projects (using BDD with Java and Cucumber + C# and SpecFlow), implemented shift-left testing concepts, developed tests as early as possible in the software development process.

**Family Company (Services Sector)**

**OWNER – Jan 2009 – Sep 2021**

During this period, I stopped my IT career to dedicate myself to creating a family business with my wife.

I managed several functions (finance, marketing, suppliers, event scheduling and employees) in a family business responsible for planning and carrying out social events, where taking on different roles was a successful, challenging and rewarding experience.

**DYNAMIC Technology (IT Sector)  
TECHNICAL QA LEADER – Jul 2005 – Dec 2008**Led the design and build a test process core to be a contract guide to plan and management the budget to

creating and growing a Test Factory and training internal leaders to manage the new testing.

Mentored the company and teams for the launch of the Test Factory and followed up on each newly contracted project. Monitoring projects and support teams resolve technical issues and walkarounds.

**TECBAN (Financial Sector)  
TEST MANAGER – Jun 2002 – Jun 2004**

• Plan and synchronize the effort of 25 testers and some outsourced companies to build and maintain a complex automation testing environment and daily simulate tens of thousands of critical transactions.  
• Contract a few companies to support and accelerate critical automation process.

• Prepare and train technical leaders to change their mindset and build faster and earlier automation tests.

• Prepare and train testers to identify various automation opportunities and avoid manual tasks.

• Design and build regression testing automation for critical systems, supporting main financial

transactions and dozens of partners that share ATM infrastructure.

• Creating a complex ATM hardware simulator to avoid hardware dependencies during all test automation steps (unit, integration, regression, and non-functional tests).  **RSI CONSULTING (IT Testing Services)  
TEST AUTOMATION SPECIALIST – Oct 1998 – May 2002**

Technical leader responsible for designing and building test architecture standards to be applied in test projects for large customers, reducing project risks and costs, bringing control and quality of test solutions.

• Empower test professionals to improve technical skills in software testing and quality assurance, promoting best practices for the test automation process across all customers.  
  
team leader responsible for designing a framework to manage the entire lifecycle of test projects (QA-Test), including planning, specification, modeling, scripting, execution and evidence gathering of all test cases, achieving a high level of reliability and accuracy of test automation project running on critical customers.  
Client-Side: VB (OOP) // Server-Side: SQL-Server/ DB2, Oracle, MySQL.

**NEO-DATA (Medical Services)  
SENIOR SYSTEM ANALYST – Nov 1996 – Sep 1998**Responsible for designing and creating a new development process, based on MSF (Microsoft Solutions

Framework) and Essential Analysis, to rewrite and build a new solution using a software development best.

practice: client-server environment, three layers architecture and object-oriented programming OOP.

• Build a requirements framework capable of “creating, reviewing and approving business artifacts”, thus controlling the progress and evolution of the system documentation.

• Data modelling to create logical entities to better represent business rules. Then create physical databases and perform legacy data migration to newly created data server structures.

Client-Side: VB (business classes – OOP and User Forms) // Server-Side: Oracle

**JOHNSON & JOHNSON  
SENIOR SOFTWARE DEVELOPMENT – May 1995 – Sep 1996**

Technical leader of the team of programmers and responsible for understanding the new process to serve 120 salespeople who visited customers throughout Brazil.

An IBM team signed a contract to provide each salesperson with modern laptops, and a new sales system needed to be created. This new sales system was built into ongoing releases for approval by Johnson & Johnson's internal IT team.

The new system (created using Visual Basic and Access DB) involved taking and printing orders, checking inventories, visualize promotions, approving discounts, calculating taxes, and collecting competitor´s prices and make comparing. Client-Side: Delphi and DB // Server-Side Fox and Oracle // Exchange: Lotus IBM  **GESSY LEVER (current UniLever)  
SENIOR SOFTWARE DEVELOPMENT – May 1993 – Apr 1995**Technical responsible to coordinate a team responsible to create and keep the critical system who manages invoice system of the dairy division until the main invoice system was refactored to new platform.

Dairy operations (three cheese factories) involved different challenges as stock unit controls and define prices by weight and the current invoice system running in mainframe didn’t to do this and because that It was necessary to create a new system in only 3 months to solve this problem. Development in Clipper, DB and Carbon-Copy. **POLIMET INDUSTRY (Factory Company)  
SOFTWARE DEVELOPMENT – May 1992 – Apr 1993**Invoice and Sales System. Development in Clipper, DB and Novell Net.

**MACCHI ENGENHERIA BIOMEDICA (Factory Medical Company)  
SOFTWARE DEVELOPMENT – Jun 1991 – Sep 1992**RH System. Development in Clipper, DB and Novell Net.

**PROVECTUS TECNOLOGIA (Factory Automation)  
SOFTWARE DEVELOPMENT – Apr 1989 – May 1991**PLC and sensors. Development in C++, Clipper, DB.