

Ernesto Briones Pereyra

Software Architect

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Profile

Software Architect with 18 years of extensive experience designing and developing solutions for different industries. An effective team player and leader possessing communication and technical skills and the important ability to operate in fast-paced environments.

Architectures Designed

- Micro-Service Architecture Pattern as solution to integrate legacy systems and modern cloud solutions.
- Data Integration to ensure data integrity cross-applications and platforms.
- Business Intelligence to make decisions using the raw data from the data warehouses or transactional databases.
- Low-Code Development to implement sustainable applications.
- Deployment patterns to implement CI/CD consistent with the development cycle and manage the software dependencies.
- Data High-Availability for disaster recovery strategy.

Strong Skills

- Project Management: SAFe, Product Owner Scrum.
- DevOps Tools: Jira, Confluence, Azure DevOps.
- Modeling: Spark Enterprise Architect, Visual Studio Architect tools
- Database: MS SQL Server, PostgreSQL, MongoDB.
- Containerization: Docker (Compose, Swarm)
- Programming: .Net C#, Java, Javascript: React library, Python, T-SQL, PL-SQL, SQL
- Cloud Infrastructure: Azure, AWS

Last 15 years of work experience

2012

International Maize and Wheat Improvement Center CIMMYT-MEXICO (www.cimmyt.org)

- Project Management implementation with Microsoft SharePoint and Project Server.
- Design, Implement and Develop solutions to integrate external processes with Microsoft Dynamic Ax 2012.
- Design Architectures of Business Intelligence, Web Applications, Data warehousing, and Deployment.
- MS SQL SERVER High Availability Design
- IT Lead for Enterprise Breeding System (EBS): Design the SaaS-Multitenancy Architecture Pattern and lead ten (10) developers based in Mexico.

Apr 2011- 2012

SIF Implementation Consultancy - World Bank (ww.worldbank.org) – Project coordination Unit (UCP) for Nicaragua

- Implementation of an app utilized to have control over the traceability of bovines in Sixty (60) new municipalities.
- Coordinate the interoperability between the SIF Application and the Nicaraguan Police department, as well as the Department of Agriculture

Jan 2011 - Mar 2011

Data Integration Consultancy - REDCAMIF (RED CENTROAMERICANA DE MICROFINANCIERAS) <https://redcamif.org>.

- Consultancy to design a Data Integration Architecture to consolidate the financial information from their affiliates located in different countries.

Oct 2010 - Dec 2010

Technical Knowledge Transfer Consultancy - World Bank (ww.worldbank.org) – Project coordination Unit (UCP) for Nicaragua.

- Organize technical training for the IT Unit about the ERP Concepts and .Net Patterns.
- Knowledge transfer for the adoption group to extend the implementation to 60 municipalities.

- May 2007 - Sep 2010 **Software Architect - TIC** (Information and Communication Technology) Municipal Project between Finland Embassy and the Nicaraguan Government
- Design and Develop SIF application to manage bovine traceability between municipalities and manage the cattle inventory by farm.
 - Customize Openbravo ERP to implement the local government accounting for 20 municipalities.
- Nov 2006 - Feb 2007 **Implementation Project Management Application and Process** - World Bank
(www.worldbank.org) Rural Development Institute (IDR) /PRPR Project for Nicaragua.
- Define the solution to implement the Project Management Processes.
 - Implement MS Project Server and Project Professional
- Nov 2005 - Dec 2006 **Lead Developer for SIAFOR** (Financial and Forest Administrative System) Project between National Forest Institute (INAFOR) of Nicaragua and External Donors
- Design and develop a multi-tenancy application to be used by multiple small business.
- Jan 2005 - Ago 2006 **Lead Developer for SIAFPR Financial Management System.** World Bank
(www.worldbank.org) Rural Development Institute (IDR) /PRPR Project for Nicaragua.
- .Net Application to manage the general ledger and seed warehousing.
- Jan 2003 - Apr 2006 **Software Developer for SIMOSE (Financial and Forest Administrative System) Consultancy** - Carl Bro A/S

- Develop the administrative modules

Implement the application

Jan 2003 - Dec 2003

Software Development for SIGPRO Consultancy. World Bank (ww.worldbank.org) and Agriculture and Forestry Ministry (MAGFOR) Project

- Develop a .Net Application to management the

Jan 2000 - Jan 2003

Lead Developer. World Bank (ww.worldbank.org) and Municipality Institution (INIFOM) Project

- Design and Develop SIAP, Project Management System with .Net Architecture
- Design and Develop the Human Resource Management System for the Spanish Agency Cooperation AECID www.aecid.es
- Customize and Implement ASPEL ERP Software to management the financial information

Nov 1998 - Dic 2000

IT Lead of EMPAQUES UNIVERSALES S.A

- Manage the digital transformation implementing financial, payroll, and HR module with ASPEL ERP software

Education

1995 - 2000 Universidad Católica "REDEMPTORIS MATER" Nicaragua, **bachelor's in software engineering**
1989 - 1994 Maristas School (Costa Rica), **High School**

Certifications

1. SQL-ORACLE Oracle IDS Reports: Build Internet
2. ITIL Foundation
3. Lean IT
4. Scaled Agile Framework (SAFe 4.5)
5. ISO 2000 Foundation
6. MCSA: SQL Server 2012/2014

7. Scrum Product Owner (SPOC)