

Ricardo Servin

Summary

Flexible Software developer, adept in a variety of programming languages, databases and hardware. My career is marked by successful enhancements to legacy systems and the development of innovative solutions that enhance operational efficiency and user engagement. I collaborate effectively with teams to deliver robust software solutions, continuously advancing my knowledge to drive technological progress.

Experience

Software Engineer – 03/2012 - Present

Soften, Mexico City, Mexico

- **Museum Legacy System Development and Maintenance:** Enhanced and developed new features for a legacy system using C#, WinForms, and SQL Server, streamlining internal museum management processes.
- **Grocery Store Inventory Management Innovation:** Upgraded and expanded a legacy inventory tracking system, implemented with ASP.NET and Visual Basic, improving operational efficiency at the Central de Abastos in Mexico City.
- **Automated Access System with Arduino:** Engineered a solution utilizing Arduino to control access for ticket purchasers, developed with C++ and C# for a Windows service, increasing visitor entry efficiency.
- **Inventory Application for Honeywell Handheld Device:** Developed an inventory interface application in Visual Basic for Honeywell devices running Windows CE, enhancing inventory accuracy for a liquor store.
- **E-commerce Upgrade for Liquor Store:** Revamped an e-commerce platform using Magento and PHP, closely collaborating with designers to enhance the online user experience.
- **Inventory Application Modernization for Android Devices:** Updated an old inventory application to function on Android devices using Xamarin, facilitating mobile inventory management.
- **Flexible Inventory Application Development:** Planned and developed a versatile inventory application with Node.js for the backend, AngularJS for the frontend, and its own mobile app, improving inventory management compatibility and efficiency.
- **Legacy Electronic Invoicing System Maintenance:** Maintained a legacy invoicing system developed in C# and ASP.NET, ensuring compliance with Mexican electronic invoicing laws (CFDI).
- **Grocery Store System Reengineering:** Completely redesigned the management system for a large grocery store using Node.js, Sails.js, AngularJS, and Bootstrap, modernizing its technological and operational infrastructure.

- **Sales Application with Electronic Scale Integration:** Developed a C# application for managing entries and sales, integrating an electronic scale via serial communication, optimizing weight-based sales processes.
- **Minimalist Dashboard System Implementation:** Implemented a minimal dashboard system with Node.js for the backend, Angular for the frontend, and MySQL for the database, including authentication and authorization features, serving as a foundation for developing more complex applications.
- **Invoice System Reengineering and Migration:** Redesigned and migrated the invoicing system to Node.js, JavaScript, and MySQL, facilitating updates in compliance with new Mexican fiscal laws and improving invoice generation efficiency.
- **E-commerce and App Development for Museum:** Created an e-commerce platform and an Android app for ticket validation, integrated with the invoicing system, in collaboration with designers to maintain visual consistency.
- **Museum Systems Modernization:** Updated all museum's old systems to a web API application, improving their operational processes and data management.

Education

Computer System Engineering 2008 – 2012

Higher School of Computing of the National Polytechnic Institute, CDMX, México

Software Development Technician 2005 - 2008

Center of Scientific and Technological Studies 9 “Juán de Dios Bátiz Paredes” of the National Polytechnic Institute, CDMX, México.

Languages & Technologies

Advanced/Used on production projects

C#, C++, JavaScript, HTML5, CSS, SQL, MySQL, MariaDb, Visual Basic, AngularJs, Git, Bootstrap, Materialize, Linux, Windows Server, Xamarin, PHP, Magento, Arduino, RaspberryPi

Has experience/Used on personal projects

Vue, Python, Xamarin, React, React Native, Angular, ExpressJs, AWS (EC2, S3, route 53), Google Cloud, Typescript