

# OSCAR SANCHEZ AYALA

Senior iOS Developer

contact@oscarsanchezayala.com

www.oscarsanchezayala.com | Chicago, Illinois



## PROFILE

I have 12 years of software development experience, 6 years on iOS and 6 years on Microsoft platform. I started developing with Visual Basic 6.0 for building software to manipulate a robot (because robots does not move by themselves).

I moved onto C# for a variety of consulting roles in Mexico, I worked on the primary enterprise applications on web. In 2012 after becoming Microsoft Certified Professional Developer (MCPD) I started diversifying technical skills to cover non-Microsoft technologies and I adopted Objective-C pretty fast and then in 15th October 2012 I released my first App ever on the App Store CIE-10-9MC <https://itunes.apple.com/us/app/cie-10-9mc/id566764477?mt=8>.

## EXPERIENCES

**Allstate (Contractor) / Senior iOS Developer** / Illinois - Apr 2015 – Jul 2018

I joined SMCE team to develop many features on the Allstate Mobile App iOS like “Confirm Book Service”, “Get a Taxi”, “Choose vehicle color”, “Enter your phone number” all this features were introduced in the version 9.5 “SPEED” after finishing this project I joined Connected Car iOS Team to develop from scratch Milewise app, when I joined the team there was only one iOS Developer and after two weeks he left and I had to develop the entire app by myself, I had to join meetings every three days with business team, QA team and User Interface team, develop the front end in order to have a dynamic views based on Cards, prepare the meetings/presentation for the Penetration Test and create the custom method to update the Credit Card of the user based on PCI standards.

LINK: <https://itunes.apple.com/us/app/milewisesm-by-allstate/id1067463541?mt=8>

LINK: <https://itunes.apple.com/us/app/allstate-mobile/id364376344?mt=8>

Accomplishments:

- Develop layer to consume RESTful web service using NSURLSession, NSURLSessionDataTask, NSOperations and JsonModel using Objective-C and Swift.
- Design, develop custom stacked bar chart, Certificate and Public Key Pinning, Dynamic Content for Milewise app.
- Develop custom transitions to display the route in a Map and details of the trip in a custom “Detail Card”
- Design Core Data objects and use NSOperations to get all GPS coordinates and trip information using encryption AES 256 to store the information.
- Implementing Site Catalyst to track all behaviors of user.
- Develop dynamic configuration to switch between web service calls.
- Manage Github repository creating branches doing merge, pull request and releases.
- Coding script for Jenkins to build IPA file to distribute in landing zone, Test Flight and App Store.
- Implemented best practice according to the PCI and Security - OWASP Top Ten - Threats & Mitigation, passing all Veracode scans VL4

**Monstrilio (VideoGame) / Creator/Designer/Developer** / Illinois - Jul 2015 – Jul 2017

I made this video game by myself during my free time (nights and weekends) using Unity3D and some assets from the Asset Store, I spent 2 years to complete this game with only one goal, make people have fun, this game do not have Adds, it is free, you do not need internet connection to play it, it is available for iOS and Android. The game also teaches some good things about Mayan culture to the players, each level is a seal of the Tzolkin Mayan calendar.

In September 2017 was named the Game of the week in a Mexican National TV show.

Website: <http://monstrilio.com>

## GE Capital (Contractor) / Software Developer / Mexico - Dec 2013 - Mar 2015

I was in a team of two developers that we created the very first website to calculate the customer risk rating for GE Capital, the system is very well adaptive to change the formulas to make the calculations also has an admin dashboard with assignments, permissions and a very variety of catalogs and also a dynamic approval flow, so the admin can remove/add/update permissions based on roles. We designed, developed and implemented from scratch using MVC 4 pattern, SSO, dependency injection, XSD, JIRA, Agile methodology, Visual Studio, C#, SQL Server 2012

## Naos Technology / Lead iOS Developer / Mexico - Oct 2012 - Nov 2013

NT Paciente App developed from scratch to tracking Patient visits with patient diseases and medications. Book appointments and manage dates and the developmental control of patients, contains list of medications and international catalogue of diseases. Use Core Data and can make backups with iCloud. The app can send prescription in PDF format by email. All project developed using Objective-C.

LINK: <https://itunes.apple.com/us/app/nt-paciente/id630242379?mt=8>

## Novo Nordisk (Contractor) / Senior .NET & iOS Developer / Mexico - Oct 2010 - Sep 2012

After analyzing the requirements of the company to create an electronic invoice system I realized that the main functionality was simple, to create an XML file using schemes that the government provided, then I told my manager that I could develop it, he convinced the finance manager to develop the project from scratch and we released it after six months, the company saved \$3.4 per each electronic invoice generated, the company generates around 3000 electronic invoices per month. The system was able to create 25 electronic invoices per second. I used Microsoft parallel programming, dependency injection, Visual Studio, SQL Server, XSD, MVC and C#.

## Sinersys / Technical Leader / Mexico - Jul 2006 - Sep 2010

Accomplishments:

- Control Chart – **Nissan NA**. It solves the problem of performance when generating reports and parts prices, estimates and calculations fluctuations, reporting in Excel financial formulas, such reports were sent to executives in Japan and USA.
- Reporting L&D – **Renault**. It solves the problem of generating reports in stock vehicles with Mexico, France, report of vehicle parts, customs, etc.

## EDUCATION

### Instituto Politecnico Nacional / Robotics Engineer / Mexico - 1999 - 2005

My final project was a parallel robot and after I told my teacher about my idea he rejected me and he told me to not waste my time on that, I went with a PhD Ruben Garrido (Director of Department of Control and Automation at CINVESTAV) for some advice and he told me the same, Oscar do not waste your time on that so I decided to not ask anyone else and a friend and I built the robot, after almost three weeks I found a simple solution to calculate the inverse and direct kinematics.

I developed a software using visual basic 6.0 to control the movements of the robot and we won the First Robotic competition of IPN 2005 in the category "Advanced Innovations" and also we got the Honorable Mention in the same category with robot RP2GL-K (<http://www.ccs.ipn.mx/g-613-2005.pdf> page 21), so Dr Garrido showed the robot to all his students and he told me I'm sorry guys you were right. I learned my lesson, do not let anyone truncate your ideas.

## CERTIFICATIONS

<http://www.mycertprofile.com/Profile/1555148710>

**Microsoft**  
CERTIFIED  
Professional Developer

Web Developer 4

**Microsoft**  
CERTIFIED  
Technology Specialist

.NET Framework 4  
Service Communication  
Applications

**Microsoft**  
CERTIFIED  
Technology Specialist

.NET Framework 4  
Data Access

## SKILLS

- Objective-C, Swift, Core Data, C#, VB.NET, JavaScript, SQL, LINQ, JQuery, JSON.
- Unity3D, Xcode, Github, Jenkins, Visual Studio, Appium, SOAPUI.
- Self-directed, quick learn, teamwork, working under pressure, detail oriented.