Tom Adriaenssen

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This document lists Tom's project experience, listed by employer.

Apple Inc.

Employment period: 10/2015 - 10/2026

Architecture, development, API design	iOS Drag and drop	2016/09 - 2017/09

Tom contributed to the new drag and drop feature that was added to iOS. Tom was mainly involved with the drag and drop functionality related to the text controls in UIKit. Tom co-presented "Mastering Drag and Drop" at WWDC 2017.

Architecture, development, API design	SF Symbols	2018/09 - 2020/06

Tom was part of the development of the first version of SF Symbols. Tom contributed to the implementation on the UIKit side, collaborating with various partners (including design but also other OS teams). Tom developed the first set of APIs for this feature, and presented them on stage at WWDC 2019. The next cycle, Tom contributed to the followup version, which added new features (e.g. colored symbols).

Architecture, development	UI Frameworks for visionOS	2020/06 - 2026/10

I contributed to the UI Frameworks (amongst which UIKit and SwiftUI) specific for the visionOS platform before launching the Vision Pro in 2024, and later after the launch to improve said frameworks (new features, bug fixing, implementing design changes). One contribution that I made was implementing the visionOS specific scroll indicator.

Interface:Implementation

(Adriaenssen BVBA, Rubus VOF)

Employment period: 1/2003 – 9/2014 (Adriaenssen BVBA), 10/2014 – 10/2015 (Rubus VOF)
Function: Contracting work (consultancy, development, architecture, …)

Management, development	Mobile Team Lead (at iCapps)	2014/01 - 2015/10

Tom took up the role of Mobile Team Lead, managing a team of 16 mobile developers (mostly iOS and Android based). Tom's tasks included presales tracks, defining standards, and

providing technical team guidance, growing the team and adopting better project and practices. While mostly a managerial role, development is still part of the daily job, building tools, templates and participating in project work.

Development , management	Bolero (for iCapps)	2013/09 - 2014/12

Bolero is an online trading platform based in Belgium. Their existing platform based on Flex technology needed a makeover. Part of this makeover were 2 iOS apps (one for iPhone and one for iPad).
Tom was the lead developer for the mobile client side development of these apps (consuming web services developed by another party). Tom architected the apps from the ground up trying to share code between two codebases (both moving at different release speeds). Tom managed a team of 6 developers, making sure we were able to reach our development deadline while keeping code quality up to needed standards for a project of this size.
The iPhone app was released in June 2014, the iPad version in fall 2014.
Used technologies: iOS, CocoaPods, Kiwi, custom frameworks

Development	Know the signs (for Mojuice BVBA)	2013/06

Tom was brought in to provide some last minute code fixes and adjusted, as well as a reskinning of an existing iPad app for promotional purposes (no app store deployment). Changes were made to both the iPad frontend code as to the PHP backend code to cater for the desired change requests.
Used technologies: iOS, PHP, Facebook

Front-end architecture, development	Kinepolis Mobile Ticketing (For iPASoftware)	2012/06 - 2015/10

The current ticketing solution used at Kinepolis is Flex based which means that it is not usable on mobile devices. Mobile Ticketing was developed to provide a way to purchase cinema tickets through your mobile device.
Tom was responsible for the architecture and development for the front-end of the new mobile web app. This front-end end talked to a provided API layer which gave access to the back-end. The serverside frontend code was just a conversion layer passing JSON structures to the frontend clientside code running in the mobile browsers.
Much effort was taken to provide a similar experience on a broad range of mobile devices.
Used technologies: ASP.Net MVC, knockout.js, custom API, IIS, iRAD.SPA

Development	Tablemanager Pro (for ManageByApps)	2013/07 - 2013/09

ManageByApps has an iPad app called TableManager which is used as a reservation system for tables at a restaurant. The current app is standalone, but there's demand for a multiuser/ multidevice version.

TableManager Pro is the same app as TableManager but in a client/server environment. The data is no longer stored locally but remote. A partial rewrite was necessary to make the app asynchronous for data access.
Used technologies: iOS 6, Windows Azure

Development, architecture	Pioneer AR (subcontracted)	2013/05

Pioneer wanted an app to showcase their new in-car entertainment systems. The user could download a marker image which he would place on the dashboard in his car, and would be using the iPhone app to overlay several types of entertainment systems so that you could "experience them in the car".
Screenshots of the augmented reality scene could be saved and shared.
Used technologies: iOS 6, Vuforia Augmented Reality, Unity Pro

Development, architecture	iRAD2 framework – Web (for iPAsoftware BVBA)	2011/04 - 2015/09

Architecture and development of a web version of iPASoftware's iRAD2 framework. The original iRAD2 framework was geared towards WPF. This web version tries to bring a large portion of that framework to the web. Since Tom was an original contributor to the iRAD2 framework, he was in a perfect position to port this to the web.
Used technologies: .Net Framework 4, WCF, Asp.Net, iPAsoftware iRAD2 Framework

Development, architecture	Boerentoer (for Touching BVBA)	2012/12 - 2013/02

Boerentoer is an offline iPad app functioning as an interactive guide to the exhibition at Breugelhoeve in Peer. The app features multimedia, a multiple choice quiz, an offline available map with hotspots (using geolocation) and an augmented reality scene featuring video.
Used technologies: iOS 5+, Vuforia Augmented Reality, Unity Pro

Development, architecture, design	Drash	2012/07 - 2012/09

Drash is the first fully inhouse developed app by Interface:Implementation. It's a simple but effective weather app showing the user a prediction of rainfall at the current location in the next 30 minutes. The app works only in Belgium and the Netherlands due to be rain-data service provider.
The app reached the top 10 of free apps in the Belgian App Store within 5 days, and was the top free weather app seller for several days.
Used technologies: iOS 5+, Windows Phone 7, several open source frameworks/utilities. Android version in the planning phase.

Development, architecture	Butane (in cooperation with 10to1 BVBA)	2012/04 - 2012/05

Tom was the architect and developer for the Butane application. Butane is an iOS client for the

Campfire platform by 37signals. This project is a cooperation between 10to1 BVBA and Interface:Implementation.
Used technologies: iOS 5, several open source frameworks/utilities.
Used methodologies: Sprint based development (Agile like).

Development, architecture	Subcontractor for 10to1 BVBA	2011/01 - 2012/03

Tom was active as an iOS developer for 10to1. Projects ranged from relatively small iPhone applications over larger iPad apps to a large B2B application (in the pharmaceutical sector). One project included the continuation of the Xtralis Demo app into a full fletched iPhone application (without a .Net backend).
Tom performed development tasks as well as architecting tasks.
Tom also performed maintenance and new development on several Ruby-on-Rails projects.
Used technologies: iOS 3.2 -> iOS 5 (depending on the project), several open source frameworks/utilities, Ruby-on-Rails.
Used methodologies: Sprint based development (Agile like).

Development, architecture, training	Danilith Sales Application (subcontract for iPAsoftware BVBA)	2010/06 - 2011/06

Architecture and development of a new application to replace a set of Excel based tools for Danilith salespeople. The application works offline and synchronizes data when the salesperson docks his/her laptop in the central office.
At the time of writing, the project was in the functional and technical analysis fase.
Tom was also responsible for training and coaching two internal developers at Danilith.
Used technologies: .Net Framework 4, WCF, WPF, iPAsoftware iRAD2 Framework, MS SQL Server 2008 (more technologies to be added).
Used methodologies: Sprint based development (Agile like), SOA.

Development, architecture	XTralis Adpro iPhone Demo (subcontract for 10to1 BVBA)	2010/05

Architecture and development the backend solution for a demo iPhone application. The application connects a iPhone to a V3100 security device. The backend solution was developed using the .Net Framework 4 and used custom/proprietary XTralis libraries to connect to the device and pass the information along to the iPhone. The demo application allowed a user to manually trigger an alarm on the connected V3100 device using the iPhone. The iPhone application receives those alarms and is able to show a livestream of the camera that triggered the alarm, or a picture of the camera at the time when the alarm was triggered. Tom worked closely together with the developer creating the iPhone application to make the experience as smooth as possible, given the short development timeframe of one week (a deadline which was reached in time).
Used technologies: .Net Framework 4, WCF, iPhone.

Development, architecture, team lead	Univeg WMS2 (Usys2) (subcontract for iPAsoftware BVBA)	2008/09 - 2010/05

Architecture of the new version of the custom Warehouse Management System used by the logistics department of Univeg. Several worldwide warehouses are (or will be) using this system. The system was built using several key technologies: the business logic was contained in a set of WCF services, which were then consumed by several client applications. The desktop client (used to manage each warehouse) was developed using WPF. The scanner console clients (used by workers holding handscanners connected through a telnet session to the console application) was developed as a .Net console application. There was also a backend to handle asynchronous printing of business process documents and another backend to handle the interfacing with several client systems.
Tom was not only responsible for the overall technical architecture, he was also a technical team leader to guide the rest of the development team, working closely with the project manager and the client.
Used technologies: .Net Framework 3.5, WCF, WPF, Microsoft Enterprise Library, iPAsoftware Framework, SQL Server 2005, IIS6 (hosted WCF services), telnet, Asp.Net MVC, SVN, DevExpress Xtra Reports.
Used methodologies: Agile, Scrum(like), SOA

Development, architecture, design	Chirojeugd Vlaanderen Anniversary site	2008/04 - 2008/11

In 2009 Chirojeugd Vlaanderen was 75 years old. They needed a special site to cover all the festivities and actions around their anniversary.
The site was developed in Drupal, using a lot of custom modules. It featured a community system, and allowed a high rate of user interaction. The users were able to upload text, images, video and audio.
Used technologies: LAMP server, Drupal 5.3, GarageTV API, MSN authentication integration

Development, architecture, design	Arenberg - Perlona Lite	2008/02 - 2008/09

Architecture and development of a frontend for the the wage calculation engine of Arenberg. The website is built using a custom written MVC framework and featuring dependency injection. The website relies on AJAX techniques to ensure a pleasant experience for the end-user. For several key parts of the project (mostly the business logic models) separate unit tests were developed.
Used technologies: ASP.Net 2.0 (AJAX), Visual Studio, SQL Server 2005, IIS6/7, jQuery, SVN, nUnit.

Development, design	Chirohuizen	2007/12 - 2008/09

Redesign for the websites for the Jeugdverblijfcentra of Chirojeugd Vlaanderen. The current sites were setup by volunteers and needed a better approach to provide easier editing capabilities for the site owners.
One Drupal installation is used to power multiple websites.
Development was carried over to an internal development team in September 2008.
Used technologies: LAMP server, Drupal 5.3

Development, design	Was-co website	2007/11 - 2007/12

Development of a website for Was-co BVBA. The site uses Drupal as a CMS to provided easy editing capabilities for the site owner. A custom theme was designed and created to fit the specific Was-co needs.
Used technologies: LAMP server, Drupal 5.3

Architecture, development, UI design	Mercurius (subcontract for HICT)	01/2007 - 05/2007

The Mercurius project consisted of a client-server application with offline capabilities, allowing salesmen to perform on-the-road calculations and simulations (for a company in the medical sector). It also provided an automatic update mechanism and a two way synchronization of data (both client → server as server → client).
The application was build using Winforms using the Smart Applications Software Factory and several Microsoft Applications Blocks (provided by the Enterprise Library). Updates were done using ClickOnce.
Synchronization was custom coded using several server-side webservices to which the client talked to.
The project was never put to production use due to changes in structure at the client's client.
Tom created a complete architecture in close cohesion by HICT and the target client. After the analysis and architecturing fase, development was split between Tom and an internal developer at HICT.
Used technologies: .Net Framework 2.0, Winforms, Smart Client Software Factory, Microsoft Enterprise Library, SQL Server 2005 Express, SQL Server 2005 Standard, IIS6, ASP.net and webservices, SVN.

Development	Goofi	2003/01 - 2015/09

Developed several modules for use in sites made by Goofi BVBA (Hhttp://www.goofi.beH). Mostly based on the same codebase (developed in ASP and serverside javascript) these were usually modules like a news management module, a product catalog, a generalized mailform, mailinglist subscribtion and simple document management. This includes both frontend development as developing the backend to manage all the data.
Sites included: http://www.topdisc.be, http://www.eureka-cd.com and http://www.billboard-cd.com, http://www.interia.be, http://www.hslc-furniture.com, http://www.fortnapoleon.be, http://www.nshypo.be, http://www.hotelbero.be, http://www.immoaf.be, http://www.tgfinewines.be, …
Used technologies: ASP (JScript), MS Access, DHTML

More recent sites use a similar approach, but are developed in .Net and SQL server. Sites included: http://www.eunomia.be, http://www.ikbenkwiek.be, http://www.asteria.be/, http://www.hypoacademy.be/, http://www.lazerhelmets.be, http://www.4division.be, …
Used technologies: DHTML, ASP.Net , SQL Server, AJAX

Development, architecture	Delhaize (subcontract for Fusebox BVBA)	2003/10 - 2007/12

Developing and architecting several sites for internal use at Delhaize. This includes:
- Several parts (large and small) of the internal store intranet
- A web-counterpart for the management console to the internal role-based application
- framework
- A document management system on the Belgian and worldwide corporate intranet
- Rewriting parts of the store ordering intranet for optimized performance

Developing and architecting several applications for internal use at Delhaize. This includes:
- a complete rewrite (of the user interface) of the application to follow up the store ordering
- process.
- a framework and user interface to print product catalog books used by in-store salespersons
- (using a dynamic templating engine, exporting to PDF files).
- A wine label selecting and printing application
- A framework to authenticate users for mixed authentication using NT authentication, Active
- Directory and SQL authentication

Tom also worked on several DB only projects, including enhancing and fixing a complete rewrite of the store ordering database model and implementation.
Used technologies: ASP (VBScript & JScript), MS SQL Server 2000, DHTML, .Net Framework 1.1, ASP.Net, VB.Net, Visual Basic

Development	Concentra XDB (subcontract for Fusebox BVBA)	Early 2004

For a short while, Tom was part of the development team for the Concentra XDB, used as a backend for various sites used by Concentra (for example hebbes.be). Tom worked on part of the core communication code.
Used technologies: C#, .Net Framework, MS SQL Server

Architecture, development	PC In Basket (Level B & C) (subcontract for Frontlink NV for Quintessence Consulting)	2003/02 - 2005/01

Architecture and development of a testing application for Selor, the testing agency of the Belgian government (in subcontract for Quintessence Consulting).
The application is used to test candidates for their skills handling incoming memo's on the PC. The application is client-server based, with clients running on Windows 2000 and Windows 95

platforms, and a SQL Server 2000 on the server side collecting the data. The clients are built using a 2-tier methodology separating data-access and interface. Several custom controls were developed to be included in the interface.
The application also includes several administration and reporting modules.
Tom's job also consisted of several client facing aspects of the project including synchronizing content and feature sets with the client, testing guidance and installing the application at the client's site.
This was a followup to the project handled for Frontline Solutions. The new code was based on the old code developed in the first project, and both still were in use in 2015 but for different audiences.
Used technologies: MS Windows 2000, MS Windows 95, MS Visual Basic 6, MS SQL Server 2000, Custom components

All-round	Frontlink NV	2003/02 - 2004/02

As only IT person in this small firm, Tom was responsible for all round IT jobs. This included participating in writing proposals, developing code (mostly websites) and managing the IT infrastructure.
Most of the time spent at Frontlink was devoted to the PCIB project.
Used technologies: ASP, ASP.Net, .Net Framework, PHP, MS Access, MS SQL Server, Windows 2000, VNC, MDaemon, Visual Basic, ColdFusion, …

Frontline Solutions NV

Employment period: 2002/06 - 2002/11
Function: Senior Developer

Architecture, Lead Developer	PC In Basket	2002/08 - 2002/11

Architecture and development of a testing application for Selor, the testing agency of the Belgian government (in subcontract for Quintessence Consulting).
The application is used to test candidates for their skills handling incoming memo's on the PC. The application is client-server based, with clients running on Windows 2000 and Windows 95 platforms, and a SQL Server 2000 on the server side collecting the data. The clients are built using a 2-tier methodology separating data-access and interface. Several custom controls were developed to be included in the interface.
The application also includes several administration and reporting modules.
Tom's job also consisted of several client facing aspects of the project including synchronising content and feature sets with the client, testing guidance and installing the application at the client's site.
Used technologies: MS Windows 2000, MS Windows 95, MS Visual Basic 6, MS SQL Server 2000, custom components

Analyst, Developer	Motornet	2002/08

Porting the site from a Macintosh-based platform to an Microsoft based platform. This also included
some new functionalities natively developed in ASP.
Additional bugfixing was performed too.
Used technologies: ASP (VBScript), MS SQL Server 2000, HTML

Developer	Volvo Sponsorship Site	2002/08

Development of new features and fixing and adjusting of existing features.
Used technologies: ASP (VBScript & JScript), MS SQL Server 2000, HTML

Developer	Nikon Random Winner Chooser	2002/07 - 2002/08

Architecture and development of a web application for selecting batches of random winners for a Nikon contest. The application allowed uploading excel sheets with the candidate information, and selecting multiple (variously sized) batches of randomly chosen winners.
Used technologies: ASP (Jscript), MS SQL Server 2000, Data Transformation Services

Developer	Vandemoortele	2002/07

Developing additional administration modules to administer the site.
Used technologies: ColdFusion, HTML, MS SQL Server 2000

Evisor NV / PWC Consulting

Employment period: 1999/06 - 2002/06
Function: Developer, Senior Developer (Microsoft Competence Center, Mobile Competence Center)

Developer/Content developer	Electrabel AOS forum	2002/01 - 2002/02

Developing another Forum for the ArchitectOnScreen site, part of the Electrabel Site. Used technologies are Windows NT 4, SQL Server 7, VB components and ASP technology, DHTML and javascripting.
Leading a team on -- and co-developing -- content for the AOS site through XML, XSLT and Portalbuilder. Developing HTML and CSS for the AOS site (closely coupled with the XSLT development).
Implementing the integrating of the AOS forum into the AOS site.
Integrating of AOS site into the existing electrabel.be site.

Developer/Content developer	Electrabel Site Relaunch	2001/08 - 2001/10

Developing sub applications for the new Electrabel sites (.be, .com, .nl, …). Used technologies were Windows NT 4, SQL Server 7, VB components and ASP technology, DHTML and javascripting. Integrating content and functionality on the various Electrabel sites (as mentioned above), employing XML and XSLT through PortalBuilder (content management tool).

Developer	Skills Matrix for Evisor Intranet	2001/06

Development of a skills matrix application for the Evisor intranet.
Used technologies: DHTML and javascripting for the client side; windows NT4 and SQL Server 7, VB components and ASP for the server side. The application was originally written on Windows 2000 and SQL Server 2000.

Developer	Nokia	2001/06

Implementing a dynamic menu for the Nokia website.
The code existed for DOM compliant browsers (eg Internet Explorer 5+); new code was written for Netscape 4.7 and Internet Explorer 4.
Used technologies: DHTML and Javascripting.

Developer	Tractebel	2001/03 - 2001/06

Writing small updating scripts for the tractebel website. This allows the website administrator to easily update the site navigation for new events and reports.
Used technologies: Windows NT4, IIS 4, ASP and SQL Server 6.5.

Developer	Electrabel Energy Forum	2001/01 - 2001/06

Developing an Energy Forum for the new Electrabel Website. The forum allowed visitors to subscribe themselves to the forum; after that they could discuss specified topics in the forum. The software included an integrated administration console for forum-management bij Electrabel E-Business.
Used technologies: Windows NT 4, Siteserver 3.0, SQL Server 7, VB components and ASP technology, DHTML and javascripting.

Developer	Smartizens	2000/09 - 2000/11

Tom was part of a team that developed the Smartizens website, a student portal.
Used technologies: Windows 2000, Siteserver 3.0, SQL Server 7, Exchange, COM+, VB components and ASP technology, DHTML and javascripting.

Developer	Ready SMS/WAP	2000/06 - 2000/09

Developing a WAP implementation for the Ready site, allowing clients to order from a WAP phone. Architecting and developing the SMS management subsite for the Ready backoffice. The same technologies as the Ready website were used, building on the existing component suite. Additional technologies employed were WML and WMLScript.

Developer	Ready	2000/01 - 2000/06

Development of Ready website, version 2. This was a complete rewrite of the existing website. The existing database was recovered and remodeled into a new design. The site was built using n-tier development, with components written in VB, developed from scratch.
The Ready website was an e-commerce site with backing from the GB concern. Customers could browse a rich gamma of products online, order online and pick up their order at fixed locations.
Used technologies: Siteserver 3.0 (Commerce), SQL Server 7, MTS 2.0, VB components, ASP, DHTML and client-side javascript.

Architect, developer	Yucom caching module	1999/11 - 1999/12

Architecture and development of the Financial Channel for the Yucom portal. Functionality included a news upload system, live stocks and news loaded from external sources off the internet (using the Bridge suite)…
Used technologies: Windows NT4, IIS 4, ASP, server-side and client-side Javascript.

Architect, developer	Tractebel DHTML Menu	1999/06 - 1999/07

A menu for the Tractebel intranet using Dynamic HTML on Netscape and Internet Explorer.
Used technologies: DHTML, client-side Javascript.

Developer	Evisor Client Area	1999/07

Implementation of a secured client area on the Evisor website. Each client had a userid/password combination to access a personalized area on the Evisor website.
Used technologies: Windows NT4, IIS4, Server-side Javascript.

Developer	Evisor Sales Effort Tracking	1999/06

Implementation of a Sales Effort Tracking Application in Outlook 98 and Outlook 2000. The application allowed the Evisor Business Developers to track their sales efforts. Based on an existing implementation in Outlook 97.

iM@Gic

Employment period: 1997/10 - 1999/06
Function: Developer

HTML Developer Architect/Developer	iM@Gic Projects (summer-job) iM@Gic Projects	1996/9 1997/10 - 1999/06

Architecture and development of various projects for iM@Gic.

Projects included:

- Generale Bank (BE + NL) website and Get-To website (NT4, HTML, Perl, Java)
- Several Janssen-Cilag website (NT4, HTML, ASP, Perl, PerlScript, Access)
- Janssen-Cilag Intranet (Oracle and OWAS, HTML, Perl) including a document upload and
- management system.
- Onclinx-Vieren website (Solaris, Perl, HTML)
- DILOS online hotel booking system (HTML, ASP, Perlscript, Access)
- Architecture for an online broker system for InterXion
- CBDirect: banner system, online insurance policy request (Solaris, HTML, Perl, Access)
- Pulp website (Solaris, HTML, Perl, client-javascript)
- SBB website (Solaris, HTML, Perl, client-javascript)
- Interbrew website (NT4, HTML, Perl, client-javascript)
- Krijgsmacht "Summerschool" mini-website (NT4, HTML, ASP, VBScript)
- IBM Screensaver (Borland Delphi)
- Telepolis jobfair website (NT4, Access & SQL server, ASP, Perlscript, DHTML and javascript)
- Het Volk website (Solaris, Perl, HTML)
- RUCA website (Perl, HTML)
- Stichting Marketing website (Perl, HTML, javascript)
- Samsonite website (Solaris, Perl, HTML, javascript)

Used technologies:

- Sun Solaris
- Perl
- Windows NT4
- IIS4 and ASP
- client-side and server-side Javascript
- PerlScript
- Access
- SQL Server 6.5
- Oracle 7.2 and Oracle Web Application Server

Others

Developer	VGC Website	1997/08

Development and refurnishing of the VGC (Vlaamse GemeenschapsCommisie) website.
Used technologies: HTML, client side javascripting.