

Jeroen Carolus

CV

20 years of IT experience. Friendly, humorous, open and direct. Getting it done mentality. Broad technical experience and interests.

Diploma M.SC - Informatics, specialized in programming. From 1997 – 2006 at the University of Amsterdam

Experience

2010 – now	Lead architect / Full stack developer	People's Playground
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Responsible for the architecture and development of applications. Working with and improving project workflow (SCRUM). Providing customer support.

- cinemember.nl, fitathome.nl, lumiereseries.com, inner.space, all on a Netflix like platform called AudiencePlayer
 - o Frontend: website, Android and iOS. Angular/TypeScript Nativescript.
 - o Backend: GraphQL API. Laravel PHP
 - o Ingestion and DRM of content with Microsoft Azure Media Services
- Knippr SmartTV app
 - o Samsung SmartTV, AndroidTV.
 - o AngularJS, Cordova.
- “NPO Uitzending Gemist”.
 - o PHP MySQL CMS and REST like API and EPG content ingestion
 - o Custom JavaScript framework for performance on old SmartTV devices.
 - o Custom build and deployment scripts for the different platforms and environements
 - o Working together with third party software builders to connect to more than 10 different API's (among those a pairing mechanism from the TV app to the Android app
 - o Microsoft Digital Rights Management license delivery
- Telegraaf Media Group: Telegraaf SmartTV app.
- AirPlus: role playing game for Sales training on iPad
 - o Corona SDK
 - o Feature training mechanism
- Hillson BV: Blackberry app for RFID scanning
 - o Java implementation to pair and communicate over bluethooth with RFID scanner
- Canal Company: www.canal.nl
 - o CMS and API based on python Django FeinCMS

2006 - 2010	Owner	jeroencarolus.nl
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- CRM system for a town district used for reintegration trajectories (Utrecht)
- Improving data integrity of a provisioning and administration system for a financial advisor (MLP)
- Development and maintenance on a “make your own website” system (Maakum)
- “weigh yourself on a planet” for a zoo's planetarium (Artis);
 - o C# USB-scale connection to a HTML containered interface.
- panorama poolcup (Panorama + KNBB).
 - o PHP MySQL tournament software with ranking system.
- Africulture, a development economics simulation game (VU). MS Access database.

2005 - 2006	Math and physics tutor	
2002 - 2004	Full stack developer	Lyzia B.V.
<ul style="list-style-type: none"> - Streaming services platform <ul style="list-style-type: none"> o C#.NET CMS/API with automated ingestion flow of content from record labels o MS DRM License delivery. o Micropayments through SMS. 		
2000 - 2002	Developer	Biomediam Amsterdam
<ul style="list-style-type: none"> - CMS "WonderBOX" <ul style="list-style-type: none"> o Windows application built with C++ that automates the process of converting Word documents into websites. 		
1998 - 2000	Junior developer	Strawberries N.M.P.
<ul style="list-style-type: none"> - Website filmfocus.nl – film synopsis, film agenda <ul style="list-style-type: none"> o CMS built with Active Server Pages, MS SQL, Javascript. - Casting agency database <ul style="list-style-type: none"> o MS Access database including a GUI based on VBScript. 		

In 2017 I have designed and developed the Android and iOS app for RESOLF; <http://resolf.nl/>

As a hobby, I have developed a chess app for Android, which includes the algorithm improvement that I investigated in my thesis "*Alpha-Beta with Sibling Prediction Pruning in Chess*". This is a very diverse application, appreciated by many people – <https://www.jwtc.nl>

On a voluntary basis, I have helped to implement an algorithm in Matlab to calculate the ultimate load and rotation capacity for a concrete-construction. This is used in a masters thesis from the Technical University of Eindhoven.

For my Pool billiard hobby, I have created a tournament website, used by Pool hall "De Gracht": <http://toernooiprogramma.nl/>

Skills

1 = Basic, 2 = Good, 3 = Expert

Languages	Dutch English German	native good basic
Target devices/platforms	Android iOS & Android (Framework based) Web browser HbbTV SmartTV (Tizen, Alliance, LG, AndroidTV)	2 2 3 2 2
Programming	C C++ C# Java	1 1 2 2
Scripting	JavaScript TypeScript PHP	3 3 2
Databases	MS Access MSSQL MySQL	1 2 2

Content and presentation	CSS, SASS HTML	2 2
Frameworks	Angular, AngularJS Apache Cordova Nativescript Laravel React Native	3 2 2 1 1
Build tools	Gulp Webpack	2 2
Devops	Jenkins Docker AWS MS Azure	1 1 1 1
Version management	GIT	2
Project management	SCRUM	2
Drivers license	B	1

Sports / hobbies

- Running, pool billiard, chess, portrait painting