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Programming Languages

Objective-C
C#, C++, C
JavaScript, CoffeeScript
Java

Frameworks & Platforms

iOS
.NET
WPF, Prism
DirectX, OpenGL
SQL, MongoDB

Web

HTML & CSS
Node.js
Backbone.js, jQuery
Bootstrap
Grunt

Languages

German (Mother Tongue)
English (fluent)



Experience

all about apps iOS Developer current

PocketScience iOS Developer 2014

Lead Developer on multiple large iPhone and iPad Apps ([ecoGator](#), [MAK](#)).
Developer support for Red Bull Media House (50+ Apps in international stores).

VRVis Developer & Researcher 2007 - 2013

Developer on the internal 3D framework [Aardvark](#) (C#, DirectX). Various 3D Real-Time Rendering and Urban Reconstruction projects.
Lead Developer on the Visual Analysis project [AlVis](#) (C#, WPF, JavaScript) with partner company [Kapsch TrafficCom](#).
Collaboration on multiple scientific papers.

Vienna University of Technology Tutor 2002 - 2007

Supervision of labs Computer Graphics 1 and 2 at the [Institute of Computergraphics and Algorithms](#).

Internships

Internships at Siemens, Telering and Kapsch.



Education

Vienna University of Technology 2002 - 2007

Computer Graphics & Digital Image Processing, Diplom-Ingenieur (MSc).
Media Informatics & Visual Computing, Bakk. techn.

HTL Pinkafeld 1996 - 2001

EDV und Organisation, Matura.



Conference Talks

Speaker EuroVis in Leipzig 2013

Retrospective Analysis of Surveillance Data: A Case Study for Road Tunnels

Speaker VAST in Seattle 2012

AlVis: Situation Awareness in the Surveillance of Road Tunnels

Teilnahmen EuroVis 2012 in Wien, iOS 7 Tech Talks 2013 in Berlin



Hobby Projects

One Player Down 2012 - 2013

Social networking platform for organising sport events and management of hobby teams. Node.js Backend with a Backbone.js web app as frontend, plus native iOS 7 App.

FM4 & Spotify 2012

Mashup of FM4 Trackservice and Spotify, again using Node.js and Backbone.js.

Open Source Projekte

[Heroku Buildpack](#): Grunt Support for Heroku Deployments.

[SimpleWebServer](#): Web Server to embed in .NET projects (C#).
more on [Github](#) (github.com/mbuchetics/).



Recreation

Running, Basketball, Photography.



Selected Projects

ecoGator

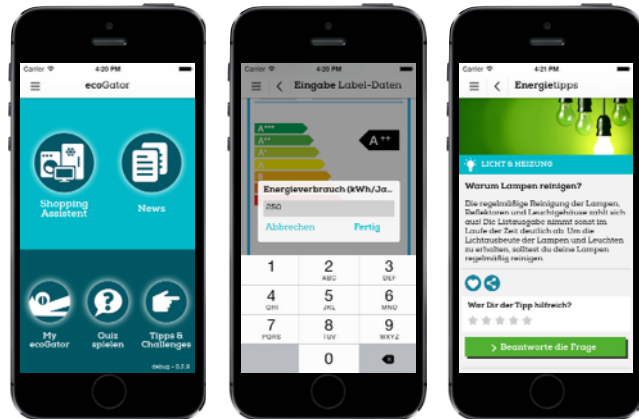
iPhone App

Frameworks

iOS 6 & 7, AFNetworking, Mantle,
TMCache, BlocksKit, HockeySDK

Backend

PHP, REST API



MAK

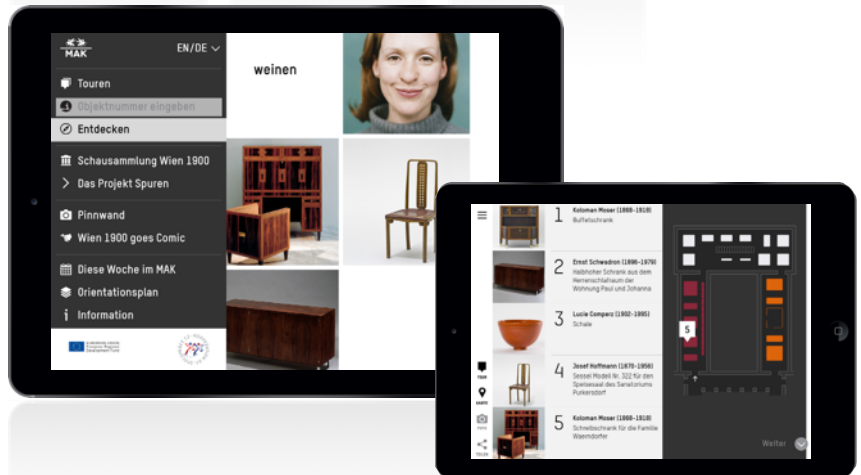
iPad Museum Guide

Frameworks

iOS 6 & 7, Custom Collection Views,
AFNetworking, Mantle

Backend

PHP, REST API



One Player Down

Social Network for Sports

Backend

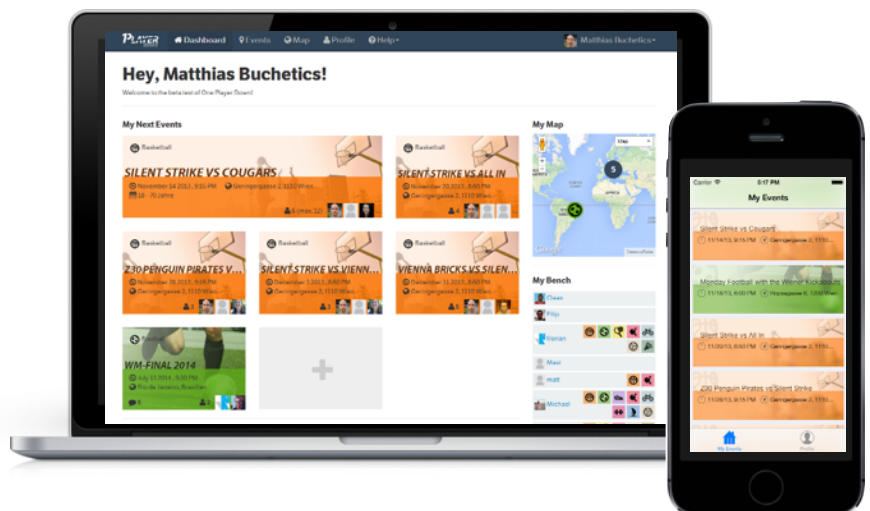
JavaScript, Node.js, Express, MySQL,
REST API

Frontend

CoffeeScript, Backbone.js, RequireJS,
Bootstrap, CSS

Mobile

iOS 7, AFNetworking, Mantle



Matthias Buchetics

AlVis

Road Tunnel Surveillance

Server

C#, HTTP API, MySQL/MSSQL

Client

C#, WPF, Prism, High Performance 2D

Web Interface

JavaScript, jQuery, Bootstrap
optimiert für Tablets



Archetype

3D Reconstruction and Modelling

C#, Reactive Extensions

DirectX, HLSL Shader

OpenCV, WinForms

