

## Konrad Gadzinowski

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**Skype:** kgadzinowski

**Email:** [contact@konradg.com](mailto:contact@konradg.com)

**Open source contribution:** <https://github.com/konrad-g>

**Location:** Poland

### EMPLOYMENT HISTORY

**05.2015 – currently Software Developer – TomTom NV**

I'm responsible for developing map search engine. It's an advanced backend web app hosted on Amazon AWS. It supports majority of TomTom products.

**01.2015 – 04.2015 Mobile App Developer – Insane Logic Ltd - Contract in London**

I implemented billing system and games structure in MyChoicePad Android application. Product is used as a digital tool in a language therapy across UK.

**06.2014 – 01.2015 UI Engineer – Massive Interactive Media Ltd – Contract in London**

I was responsible for implementing UI front-end layer to video streaming application template for Android and iOS. This application was used later on as a base for customization for specific customers in TV-over-internet industry.

**01.2012 – 06.2014 Independent Software Developer – Reptile Soft**

I've specialized in creating web services, Android and iOS mobile apps. My apps were mostly made as independent products.

**07.2010 – 12.2011 Design Engineer**

I've worked as a design engineer and I was responsible for designing automatic production lines.

### EDUCATION HISTORY

**06.2011 – 06.2013 Master's Degree, Automatic Control and Robotics**

Part time engineering studies at Technical University of Łódź with specialization in robotics. Course was focused on programming embedded software and includes whole range of class related with software development.

I got scholarship for excellent educational results during whole studies.

**01.2007 – 07.2010 Bachelor's Degree**

Full time engineering studies at Technical University of Łódź. I got scholarship for excellent education results during whole studies.

### LANGUAGES

**English** – Almost native. Decent in written and spoken form.

**Polish** – My first language. Excellent conversational and written Polish.

## **SKILLS AND KNOWLEDGE**

*I've made at least one commercial product in every mentioned technology*

### **Excellent:**

- Node.js, Express
- JQuery, Web Components, Gulp
- TypeScript, JavaScript
- HTML5, CSS3 + Sass

### **Very good:**

- Angular, React
- Docker, Packer
- Bash

### **Good:**

- Java SE + Play Framework
- Java SE + Android API

Databases: MySQL, SQLite, MongoDB

Version control systems: GIT

Testing: JUnit

Protocols: JSON, Google API, Facebook API, Twitter API, REST/SOAP Web Services

Knowledge of: Object Oriented Programming, Design patterns

Server management: AWS, Azure, Ubuntu

Graphical software: Adobe Photoshop, Adobe Illustrator, Adobe Flash Professional

Operating systems: Mac OS X, Windows, Ubuntu

## **ADDITIONAL SKILLS**

Driver license

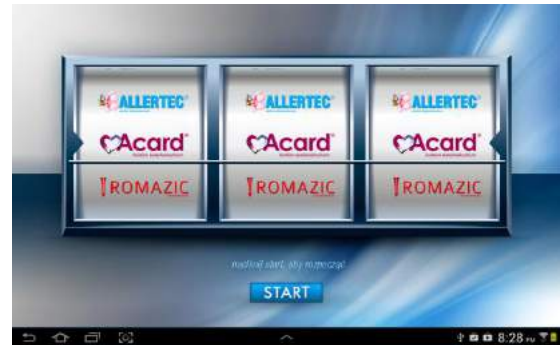
## **HOBBIES**

Side software projects, drawing, working out

# JavaScript Application Portfolio

visual**thinking** **Collection of card games**  
Client: Visual Thinking

Platforms: Android, iOS, Web  
Technology: JavaScript + Java SE + Objective-C  
*I created this application single-handedly*



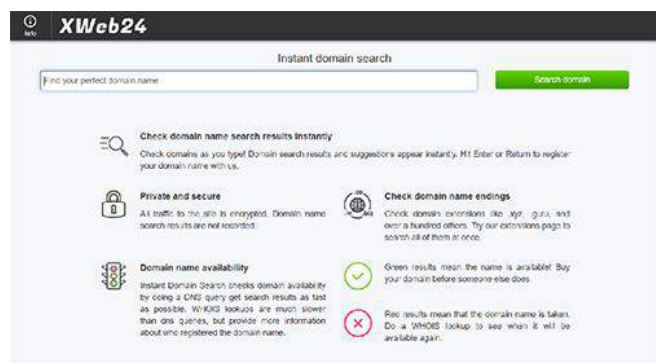
I've developed number of games (more then 20) for marketing division of a big pharmaceutics company. Games are played by doctors during pharmaceutics fairs and on every-day basis as a marketing tools.

Games were made completely in JavaScript and deployed for desktop browsers, iOS and Android.



**XWeb24.com**  
[\[LINK\]](#)

Platforms: Web  
Technology: Node.js + Express +  
TypeScript  
*I created this application single-handedly*



I have created instant domain search engine. You can check if specific top level domain is free and ready for acquisition as you type. It enables users to quickly iterate over perfect domain name and select one that is both available and sounds well.



## Captive Castle

Client: Rook Marketing

Platform: Android, iOS

Technology: JavaScript + Java SE + Objective-C

*I created this application single-handedly*



It's a point and click game made in JavaScript for both Android and iOS.

The goal is to find the relic stolen from your village. It takes place in a castle. You start at the front door and go through the different rooms picking up items to add to your inventory to be used later



## TomTom L2 Location Search

[\[ LINK \]](#)

Platform: Web

Technology: Java SE + Node JS + Lucene

*I contributed to the application as a part of a larger team*

It's a RESTful API designed for developers allowing single line fuzzy search for addresses and POIs. Online Search assigns a latitude/longitude to a specific address; cross street; geographic feature or point of interest.

### Features:

- Fuzzy search
- Reverse geocoding
- Free text and structured geocoding
- Points of interest search
- Points of interest category search
- Routed search
- Geometry search with point and radius, bounding box
- Multiple languages

# Mobile Application Portfolio



## Mp3 Ringtone Factory

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

*I created this application single-handedly*

Use Mp3 Ringtone Factory to edit MP3, WAV, AAC, and AMR audio music media files and create ringtones, alarms, and notifications from them. Using this app you can also edit alarms, notifications, tunes and ringtones audio media files in mp3 and other audio tune formats.



### Features:

- Play ringtones, alarms, and notifications and other audio media music tunes in mp3 and other audio tune formats.
- Trim and edit audio to ringtones, alarms, and notifications and other audio media music tunes in mp3 and other audio tune formats.
- Option to set ringtone loop number,
- Zoom options: Zoom in, out, show all
- Different skin colors,
- Audio library with many sorting options,



## NestPack

[\[ LINK \]](#)

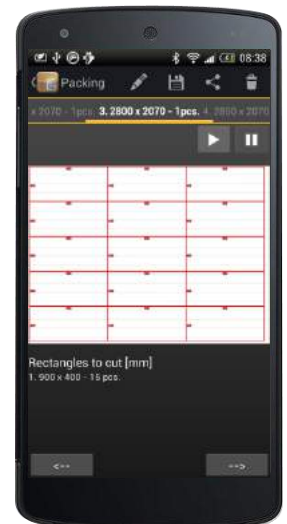
Platform: Android

Technology: Java SE + Android API

*I created this application single-handedly*

NestPack - solution for nesting, cutting (number of sheets optimization) and packing problems.

This app is created to solve all optimization problems related with nesting, cutting and packing. It's dedicated to the furniture industry, but also can be used with success in other industries like for e.g. logistics.



App contains three modules:

- Nesting (Cutting optimization)

Nesting (cutting) optimization will help you to reduce number of sheets and prepare final offer for your product based on cutting (nesting) optimization.

- Packing optimization

Packing optimization will help you to estimate minimal number of trucks required to transport given cargo. It's a very handy solution for almost every industry.



## MyChoicePad

Employer: Insane Logic Ltd

Platform: Android, iOS, Web

Technology: Java SE + Android API, Swift

*I contributed to the application as a part of a larger team*

Application uses Makaton, a language programme that reinforces language with symbols and signs. This means that instead of just listening to a spoken word, a person can see it, hear it and sign it. By reinforcing the language, it makes communication easier to understand and therefore easier to learn.

I implemented billing system for Android platform using Google Play API. What's more I also added learning games structure, including database storage.



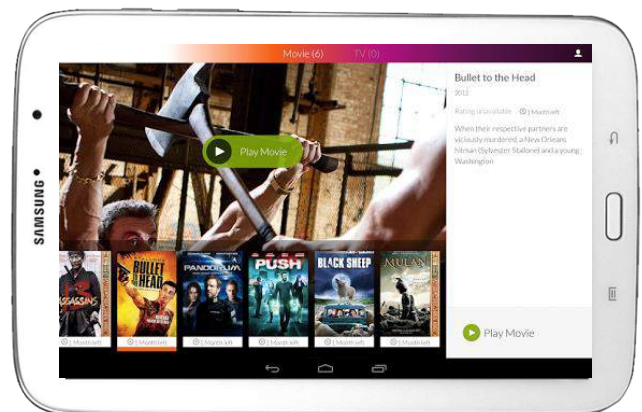
## MassiVision

Employer: Massive Interactive Media Ltd

Platform: Android and iOS

Technology: Haxe, C++, Java SE + Android API, Objective C

*I contributed to the application as a part of a larger team*



On demand movie and TV service, the home of quality cinema. It brings you a new way to explore the best in quality dramas, new releases, foreign films and undiscovered gems, wherever you are. It's a service created by film lovers, for film lovers.

I was responsible for implementing UI front-end layer to video streaming application template for Android and iOS. This application is used later on as a base for customization for specific customers in TV-over-internet industry.



### Night Alarm Display

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

Great night display that shows clear hours and minutes, what is more it make screen on for whole time. It is perfect replacement for traditional digital clocks. it's one of the most advanced alarm clock on the market that show digital clock on screen.



Features:

- Advanced alarm
- Easy brightness control
- Flashlight
- Cool a lot of custom fonts to choose
- Custom clock colors (choose from palette)
- Easy size control
- Gestures support
- Different fonts color
- Auto size of clock - suits perfect every display



### My Timer HD

[\[ LINK \]](#)

Platform: iOS

Technology: Objective-C

My Timer HD is a great tool giving you a feeling of real world timers in your device. You can interact with timers just like you do with real devices.



This great productivity app enables you too:

- Set as many timers as you want,
- Choose between 11 different app colors! Match color of the app to you iPhone or a mood!
- Use 12 unique, beautiful timers - including: stop watch, kitchen timers and many, many more!
- Specify timers names, time to countdown or date to count to,
- Choose if you want to see count down or up,
- Set snooze,
- Choose from 13 different alarm sounds,
- Enable vibration during alarm,





## Final Alarm Xtreme

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

Final Alarm Xtreme is smarter alarm clock that is going to help you to wake up gently.

Using your device accelerometer, it can record your sleep cycles and then try to wake you up gently during a light sleep cycle before set alarm. The sleep data is saved and analyzed so that you can understand and improve your sleeping habits.

### Features:

- Multiple alarms
- Records your sleep parameters and made movement chart
- Smart alarm wake up during light sleep before set alarm
- Analyze screen to review sleep trends
- History to save all sleep sessions



## Tasks + Calendar Sync

Application was sold in April 2014 to Firstegroup Ltd

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API, Google Services API

Server-side technology: PHP5 + CakePhp framework + MySQL,

Tasks + Calendar Sync brings the full Google Tasks and Calendar experience to Android.

Using this single app you will be able to control your tasks and calendar from one point in your device. App will synchronize across all your devices keeping you tasks and events in consistent state where ever you are.



This application was connected for some time with website [www.synctodo.com](http://www.synctodo.com).

Core features are:

- Sync with Google Tasks

Always keeps you lists of tasks near so you won't forget anything important.

- Sync with Google Calendar

Convenient calendar will always guide you through every single day.

- Floating windows

Increase you productivity by having your tasks always near – even in different applications.

- Widgets

Keep your tasks on your desktop, so you can always have a quick look at them.





### Brightness Battery Widget

Application was sold in April 2014 to Firststegroup Ltd

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

App that auto-adjust screen brightness based on battery level. It contains a widget that indicates battery level and screen brightness.

#### Features:

- Widget that shows current battery and screen brightness status,
- When you click on widget lamp icon you will toggle through three options: max. brightness, min. brightness, auto brightness,
- When you click on widget battery icon you will be back to configuration screen, where you can set auto brightness and choose skin,
- Five different skins!
- Custom adjust brightness depending on battery status,
- One brightness level button to have always one screen brightness,
- Support of multiple widgets number,
- Charging indicator,



### Final Countdown Widget

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

A countdown timer widget to add some urgency, excitement and order to your life. It count down or count up to set event. It will help you to manage your tasks – you will be able to see time and days left. App enables you to set date by using convenient calendar.





### Quick Pic Editor

Application was sold in April 2014 to Firstegroup Ltd

[\[ LINK \]](#)

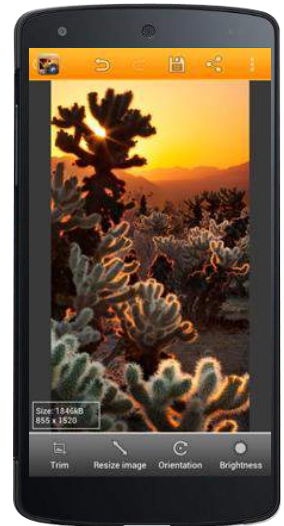
Platform: Android

Technology: Java SE + Android API

Quick Pic Editor is an app designed for quickly shooting or choosing photo editing it and easily sharing through out your friends!

#### Features:

- Trimming photos,
- Resizing photos,
- Rotating photos,
- Adjust brightness / contrast / saturation,
- Adjust sharpness/blur,
- Add pixelate effect,
- Change photo into meme,
- Add border,
- Different photo effects,



### Proper Weight & Body Fat

Application was sold in April 2014

[\[ LINK \]](#)

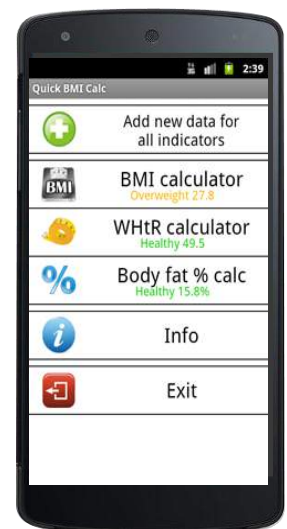
Platform: Android

Technology: Java SE + Android API

App created to help you to keep fit and to manage your weight. It is a free BMI, WHtR and body fat percentage calculator. You can calculate your Body Mass Index, Waist-to-Height Ratio and Body Fat Percentage to find your ideal weight based on age and gender.

#### Features:

- BMI calculator
- Waist-to-Height Ratio calculator
- Body fat percentage calculator
- Provides extensive info about proper measurements methods and calculated indicators
- It computes BMI for children and teens, aged 2 through 19 years old, including Z-Score, percentile and result
- BMI for adults, 20 years old and older, including healthy weight range.
- Metric and imperial systems are supported
- Saves last entered values





### Search Flashlight LED

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

Flashlight app for your device! Incredibly simple and yet very useful flashlight application.

- Use your device camera LED
- Has screen as a torch with custom color
- Widget for quick access

This app was made as an add-on for Night Alarm Display.



### T9 A Keyboard + Firsteapps System

Client: Firstegroup Ltd

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

Server-side technology: PHP5 + CakePhp framework + MySQL,

I've created T9 keyboard for a London based client. App is offering different keyboard layouts including QWERTY and T9 layouts.

I've also created connection with outside server. It enables user to create and use account in a Firsteapps system.





## Haemoview

Client: Hacavo Ltd

Platform: Android

Technology: Java SE + Android API

It's an application used in health institutions. It's used for determining hemoglobin level in patient blood.

App use a database of differing shaded of Blood-Red Colours, RGB, and CIE LAB and perform relative scoring using the image acquired by a camera on a mobile device.



The sequence of operations:

1. Open view-finder and tap to perform white balance on a piece of white paper or absorbent strip.
2. Tap to capture colour histogram to obtain RGB values from small square section
3. Convert RGB to CIE LAB
4. Database has colours matched to individual scores
5. Using CIE LAB Algorithm Compute Colour Difference in CIE LAB 74 against Database using for loop.
6. Pick the closest 3 scores and calculate a score based on relative weighting.
7. Output calculated value on screen, using voice engine.
8. For visual effect output RGB histogram



## To Do Timer (McCloud)

Client: Olivier McCloud

[\[ LINK \]](#)

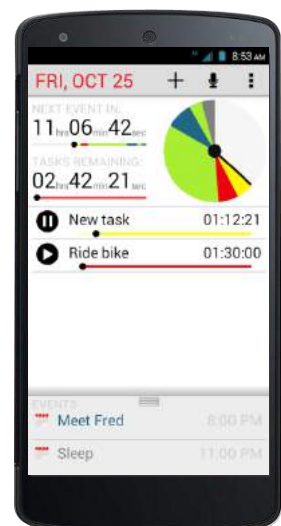
Platform: Android

Technology: Java SE + Android API

Task Timer Plus is one of a kind. It's an agenda and todo app, but with timers and graphs! You can easily see how your day is going to play out and when you'll have time to get stuff done.

Features:

- Timers with Start/Pause button for each Task
- Multitasking toggle to run multiple timers at once
- Graphs and pie chart showing you what's on your agenda
- Event tab for quick view of Today's calendar events
- Syncing with Google Calendar
- Manage Tasks screen to drag Tasks to Today, or save them for later
- A big, resizable widget to quickly see if you're on task





## **Audiobook – Return To Marshalls Bayou**

Client: Go Viral Books

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

Server-side technology: PHP5 + CakePhp framework + MySQL,

It's an audiobook developed for Android using native technology. It also cooperates with back-end server that enabled owner to send messages about new audiobooks to all users, using Google Cloud Messaging technology.



## **Bad Pigeons**

[\[ LINK \]](#)

Platform: Android + iOS

Technology: C# + Unity API



Flap the little wings of the pigeon in this addictive, thrilling, action packed flying adventure.

Meet the city pigeon ready to crap on everything that he can! It's funny simple game where you can see big world: from the ground to the stars while playing role of flappy bird - city pigeon.



## **CBA News Reader**

[\[ LINK \]](#)

Platform: Android

Technology: Java SE + Android API

CBA News Reader is fast and powerful mobile news feed reader for your country's major newspapers! It supports over thirty countries for e.g.: USA, UK, Ireland, India, Canada, Australia, Malaysia and many more.



Choose, read and easily search the most famous newspapers with your mobile free of charge and in the fastest way possible.