



René Kann

## mobile & web developer

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### Profile

I am a software engineer with many years of experience for iOS and web, including knowledge of the „full-stack“ of web technologies for frontend and backend services.

As a developer and technical lead I managed various projects for well-known, multinational clients (e.g. Daimler AG, Mercedes-Benz Museum, Autostadt / Porsche AG) and lead teams of varying sizes (between 5 and 15 persons). Having worked in a usability agency for many years and being extremely self-motivated with a strong interest for „usable“ products which are balanced with a technical design for a long term use.

In addition to my high affinity for new technologies, frameworks, devices and tools I am doing sports (e.g. marathon) to compensate or I am trying to find my musical vein.

### Skills

Mobile application development (mostly iOS with Objective-C, Swift, CocoaPods, Fastlane, CoreData, Realm, Unit tests), frontend web development (HTML5, CSS3, SCSS, Jade, JavaScript, CoffeeScript, Bootstrap, responsive design), Package manager & Tools (Grunt, NPM, Bower, Capistrano, GitLab, GitLab CI, Tower, Atom, Xcode Server, HockeyApp, Git), Software Processes and Principles (Clean Code, MVC, MVVM, TDD, Rapid application development, Agile, Continuous integration). I have a high affinity to create “usable“ products and I am not anxious about reducing technical debt by refactoring - if it is appropriate and feasible.

### Languages

- English: fluent
- German: native speaker
- Spanish: basic
- Russian: basic

## Experience

### **FREELANCE IOS DEVELOPER**

iOS Developer & Mobile web developer (Berlin, 01/2017 - today)

I support and advise various clients with technical solutions mainly for native iOS development. If you are interested in my support and want to book me just [contact me!](#)

### **FREELANCE IOS DEVELOPER**

iOS Development for [Biting Bit GmbH](#) (Berlin, 01/2017 - 12/2017)

Support in implementation and refactoring of an iOS app for a leading german multinational automotive company and technical consulting. Therefore I implemented new features in weekly sprints, performed code reviews and refactored several parts of the app to reduce technical debt.

I also implemented an app (from scratch) for visitors of congresses to manage their favourite lectures, asking questions to the referents and reviewing the whole event agenda. The app uses Google Firebase as backend, the main architecture is built upon MVVM and set its focus upon offline capabilities to deal with bad network coverage.

### **CTO & MOBILE IOS DEVELOPER,**

[UCDplus GmbH](#), Berlin – 05/2011 - 12/2016

Technical lead and manager of various projects for well-known, multinational clients (e.g. Daimler AG, Mercedes-Benz Museum, Autostadt / Porsche AG). I implemented iOS apps as lead developer as part of a team with varying sizes like the Daimler AG Entertainment app, the Daimler AG Jobs app, an app for the Porsche AG for the new opened Porsche pavilion at the Autostadt Wolfsburg. Besides, I lead the development team and optimized the processes and procedures of the development stack.

### **FOUNDER, CEO & WEB DEVELOPER,**

[Soraxdesign](#) – 06/2006 - 12/2010

We implemented rich internet applications (RIA) with Flash, Flex and Silverlight and web applications for various clients in the Magdeburg area. Main focus on developing customized content management systems and individual web apps for clients like HASA GmbH, Zephram GbR, IG Innenstadt, Magdeburger Weihnachtsmarkt and various smaller clients. Further, we developed a small guest

book with flat file storing (no need of a MySQL database, which was expensive at this time) which has been used by over 1000 users.

### **INTERNSHIP GEO INFORMATION SYSTEMS & iOS DEVELOPMENT,**

INIT AG – 10/2009 - 03/2010

Working at the unit for geographic information systems (GIS) at the Jinit[ AG I started with iOS development (with iPhoneOS 3.x) and developed a app for my project thesis about a multimedia guide for smartphones. The app represented point of interests (POI) and delivered audio content as soon as you approached a POI (like an early guide for museums). Furthermore I implemented apps for clients like politik.de and the Bertelsmann Stiftung.

### **FREELANCER IDEA ENGINEERING,**

Zephram GbR – 05/2007 - 01/2010

I worked as idea engineer for the Zephram GbR, moderated workshops and developed product ideas.

### **FREELANCER FOR RIA AND WEB DEVELOPMENT,**

Schroeder + Wendt GbR – 06/2006 - 10/2009

At the Schroeder+Wendt GbR I implemented rich internet applications (RIA) with Flash, Flex and Silverlight and web applications for various clients in the Magdeburg area. I created a prototype with Silverlight for a presentation at the Cebit 2012 together with Microsoft, which presented a possible online video analyzing and editing tool.

### **DIPL.-ING. OF COMPUTATIONAL VISUALISTICS,**

Otto-von-Guericke University Magdeburg – 08/2005 - 05/2011

Thesis: Acceleration of computerized decision making processes with pairwise comparisons based on sorting algorithms.

## References

Below is an excerpt of my most important projects. Please refer to <https://www.renekann.de/#portfolio> for an overview about all of my projects. Due to NDA-contracts, I'm only allowed to show some projects, I've worked on.

### **TEMPLATES FOR WEBSITE BUILDER, STRATO AG, 2015 - 2016**

Details: [www.renekann.de/portfolio/strato-templates-for-websuite-builder/](http://www.renekann.de/portfolio/strato-templates-for-websuite-builder/)

STRATO offers with its website builder an easy way for everyone to publish a website. We have implemented for the website builder about 250 new high-quality templates which excels the power of the underlying system. We created a setup, which automatically generated (based on a self-developed framework) templates with custom configurations and specifications. The framework has been implemented with CoffeeScript, Jade, SCSS, Bower, NPM and was executed by a grunt tool chain. For easier handling, we have implemented a private CLI for the operation of the framework.

Technologies: HTML5, CSS, SCSS, Jade, CoffeeScript, Grunt, NPM, Bower, Modernizr, jQuery, Bootstrap 3.x, Shell scripting, XML, Git

### **VISUREAL PRO iOS APP, OLLENDORF MESS-SYSTEME, 2015 - 2016**

Details: [www.renekann.de/portfolio/mobile-visureal-pro-ios-app/](http://www.renekann.de/portfolio/mobile-visureal-pro-ios-app/)

To guarantee a high visual acuity an optician not only has to select the right glass, but must also adapt it perfectly on the pupil. In order to determine the visual point we developed an iOS app for iPad, which calculates the relevant data for ordering the correct glasses based on two photos of the spectacle frame right on the device without network connection.

The app was developed as a white label solution, that can be customized via a web service, which provides relevant assets and language files for a branding.

My task was the technical design and development of the app as well as advising the management of Ollendorf measurement systems.

Technologies: Objective-C, Swift, Cocoapods, Fastlane, Git, In-App Purchasing, on-the-fly language change, Xcode Server, HockeyKit, Markdown

### **VISUREAL PORTABLE APP, OLLENDORF MESS-SYSTEME, 2011 - 2016**

Details: [www.renekann.de/portfolio/mobile-visureal-portable-app/](http://www.renekann.de/portfolio/mobile-visureal-portable-app/)

To guarantee a high visual acuity an optician not only has to select the right glass, but must also adapt it perfectly on the pupil. In order to determine the visual point we developed an hybrid app for iPad, which calculates the relevant data for ordering the correct glasses based on two photos of the spectacle frame. The two photos are uploaded to an AWS backend service where they are analyzed and relevant data are displayed within an embedded web app. The system is the market leader and has won the Silmo d'Or, the "Oscar" for optics.

My task was, beside the development of the app, the main lead of the whole project from the beginning as well as advising the management of Ollendorf measurement systems.

Technologies: Objective-C, Swift, Cocoapods, Fastlane, Git, In-App Purchasing, Hybrid App, JavaScript, CSS, Amazon Web Services AWS, PHP

#### **DAIMLER AG JOBS APP, DAIMLER AG, 2011 - 2014**

Details: [www.renekann.de/portfolio/mobile-daimler-ag-jobs-app/](http://www.renekann.de/portfolio/mobile-daimler-ag-jobs-app/)

To place the Daimler AG as a modern employer, we have developed an app for iPhone and iPad to search for job offers. The user could create search agents with different filters and criterias within the app. We developed a push service, which used the search agents to look for available offers. If so, the user will then be informed by push notification. The internal implementation was based on Core Data and made sure, that all already loaded jobs will be cached offline.

My job was the main lead and management of the project, the development and submission of the iOS app, the direct customer contact and communication with the quality assurance agency.

Technologies: Objective-C, Git, TestFlight, JSON, RestKit, CoreData

#### **AUTOSTADT PORSCHE AG APP, VOLKSWAGEN AUTOSTADT, 2011 - 2012**

Details: [www.renekann.de/portfolio/mobile-autostadt-porsche-ag-app/](http://www.renekann.de/portfolio/mobile-autostadt-porsche-ag-app/)

At the opening of the new Porsche pavilion at the Autostadt Wolfsburg an iPad app was developed, that should explain to the visitors which exhibits are displayed and the pavilion itself with an interactive 3D visualization. The app placed high demands on stability and maintainability. In the absence of available external network connection, we developed an update mechanism which was able to update the entire data at once as well as only small data packets within the app. First introduced with iOS 6, the kiosk mode was not yet available at this time

- so we changed the home button with configuration profiles to disable terminating the app.

My job was the main lead and management of the project, the development and support of the delivery of the iOS app and the direct contact with customers.

Technologies: Objective-C, Git, TestFlight, JSON, RestKit, CoreData