**Curriculum Vitae of Joachim Neumann**

If I am not escaping the European winters in Southeast Asia, I live in Barcelona. I am German, 55 years old and have a PhD in Physics. In the last century I used to be a scientist in hearing research, an engineer in a hearing aid company in Copenhagen and since a couple of years I now work as software developer for my own company. Designing medical mobile apps and always be a passion of mine, but I am also happily developing mobile apps, webapps and backends, with iOS apps in swift being my favourite.

I critically look at the ethical aspect job offers and if you think I might be a fit, feel free to

contact me over Skype (joachimbarcelona) or by writing to joachim@joachimneumann.com.

Since this is a CV, let me finish with a bit of tabularized information:

**Apps**

* ListenApp by Jacoti bvba (class IIa medical device)  
  *<https://itunes.apple.com/us/app/jacoti-listenapp/id720203800?mt=8>*[*https://www.jacoti.com/#apps*](https://www.jacoti.com/#apps)  
  I was the lead designer and developer at Jacoti for audiological aspects of the hearing aid, including optimizing the user experience for elderly users. I was also responsible for setting up the quality management system and receiving the CE certification for the app and for the management system from bsi (<https://www.jacoti.com/regulatory>)
* Agedio by IEM (class IIa medical device)  
  [*https://itunes.apple.com/de/app/agedio-k520/id968317798?l=en&mt=8*](https://itunes.apple.com/de/app/agedio-k520/id968317798?l=en&mt=8)[*https://agedio.com/de/produkte/b900.html*](https://agedio.com/de/produkte/b900.html)  
  I have been the lead product developer and programmer for IEM’s blood pressure measurement devices and their usage in Pharmacies.
* Audimatch by Sonormed (class Im medical device)  
  [*https://itunes.apple.com/de/app/audimatch/id1172771164?l=en&mt=8*](https://itunes.apple.com/de/app/audimatch/id1172771164?l=en&mt=8)[*https://www.sonormed.com/en/#audimatch*](https://www.sonormed.com/en/#audimatch)I was responsible for the audiological aspects and the calibration of this hearing test, especially for its ease of use by non-trained personnel.   
  I was also remotely involved in improvements to Tinnitracks  
  <http://www.tinnitracks.com/en>  
  <https://itunes.apple.com/de/app/tinnitracks-tinnitus-therapie/id972063556?l=en&mt=8>
* Safe Listening by the WHO (not released to the market)  
  <https://www.who.int/pbd/deafness/activities/MLS/en/>  
  I was responsible for the audiological aspects and usability of this sound dosimeter, developed together with Hoertech Oldenburg.

See my git repository and iTunes pages for more open source (non-medical) apps:

[*https://itunes.apple.com/vn/developer/joachim-neumann/id741515887*](https://itunes.apple.com/vn/developer/joachim-neumann/id741515887)

[*https://github.com/joachimneumann?tab=repositories*](https://github.com/joachimneumann?tab=repositories)

I have been involved in other medical apps that are covered by a strict NDA and therefore cannot be mentioned here.

**Professional experience**

October 2013 – now Independent IT Consultant and founder of Mindo Software SLU

January 2012 – September 2013 Head of Development at Jacoti Hearing Technologies, Barcelona

June 2008 – December 2011 Researcher at Telefonica I+D, Barcelona

July 2007 – December 2007 Research in Music Information Retrieval, Universitat Pompeu Fabra

January 2004 – June 2007 Research on Human machine interaction in a smart room at the  
 Technical University of Catalonia, Barcelona, Spain

August 1998 - December 2003 Audiological Research at the Oticon research centre Eriksholm in

Copenhagen, Denmark

January 1997 - July 1998 Hearing aid research at KIND in Hannover, Germany

January 1996 – December 1996 EEG- and MEG-based brain research at the Department for

Clinical Psychology at the Humboldt University, Berlin, Germany

**Education**

October 1991 – February 1996 PhD in physics with “magna cum laude” at the

Carl von Ossietzky Universität Oldenburg, Germany

August 1983 – October 1991 Master of science in physics (highest grade) on Otoacoustic

Emissions at the University of Göttingen, Germany

**Languages**

German (mother tongue), English (proficient), Spanish and Danish (fluent)

**IT**

Profound knowledge in mobile development on iOS and Android, Objective C, Swift, Java, but also C, C++, Python, and DSP programming. Implementation of quality management systems for medical devices.