

## Curriculum vitae

**Name:** Gábor Paller

**Birth:** date : 6th of February , 1968

place : Selye , Hungary

**WWW:** <http://pallergabor.uw.hu>

**LinkedIn:** <https://hu.linkedin.com/in/gaborpaller>

### Education:

**University:** Accepted without entrance exam because I won III. prize on the National Competition of Computer Technique. Technical University of Budapest , Faculty of Electrical Engineering from 1987 to 1992. Special Studies in Measurement and Control. Degree: M.Sc. (University Diploma , result : excellent). I made my diploma work at INSA (Intitut National des Sciences Appliques) in Rennes, France where I developed the hardware and software of an intelligent robot control subsystem.

### Postgraduate:

I have PhD degree of Technical Sciences from the Technical University of Budapest (1996). I worked on the field of Digital Signal Processing, the subject of the dissertation was an automatic code generator system for multiprocessor DSP implementations. I spent the last 10 months of my PhD studies in IRISA, (Institut de Recherche d'Informatique et Systemes Aleatoires) Rennes and INRIA (Institut National de Recherche d'Informatique et d'Automatique) , Rocquencourt in France.

**Skills:** I have extensive project management skills. I am capable of setting up teams and starting activities very quickly.

Programming languages: Java, C++, C, Python, JavaScript, etc.  
Special knowledge: telecommunication systems (IMS, SIP, PBX), mobile platforms and applications (Android, Meego, Tizen), embedded systems (microcontroller (STM32, AVR, nRF51xxx), DSP).

### Languages, driving license:

Medium level state language certificate of English , 1990. Medium level state language certificate of French, 1994. I speak both languages fluently.

Driving license since 1989.

**Non-profit professional activity:**

Honorary associate professor at TUB since 2006.

Blogging about Google's Android platform (<http://mylifewithandroid.blogspot.com/>), author of the popular open-source Android bytecode disassembler (Dedexer), book reviewing (mainly Android), mobile sensor research, speaker at Droidcon conferences. Blogging about a low-cost robot platform (<http://littlechineserobot.blogspot.com/>).

**Employment:**

- 2022 -** Application Development Specialist, Accenture. Developing custom applications for clients, mainly in Java (JAX-RS, Spring) and Angular.
- 2018 - 2022** Principal Scientist, Széchenyi Egyetem, ISREG Research Group/Principal Scientist, LRG Ltd., Győr (remote). Miscellaneous IoT projects, e.g. deep learning camera for recognizing plastic waste (Python+Java+Azure) and graphical code generator project for IoT applications (Java, C, Azure)
- 2018 - 2018** WattSense, Vice President of Platform, Villefranche-sur-Saone, France. Responsible for the development and provisioning of WattSense's cloud-based service (Java+Azure cloud). This service connects Heating, Ventilation and Air-Conditioning (HVAC) equipment with cloud-based optimization and maintenance applications.
- 2014 - 2017** Senior Research Fellow, Széchenyi University, Győr, Hungary. Responsible for the telecommunication aspects of the AgroDat agrosensor research project. I was also involved in the design of multiple agricultural sensors (soil sensor (GSM and Sigfox connectivity), rodent sensor with image processing capability, insect sensor) and their associated server software.
- 2011 - 2015** Community Engineer, Sfonge, Finland (telecommuting, second job). Mobile application consulting, training and application development, particularly for the Android, bada and Tizen platforms using C++, Java, C languages and elements of HTML5.
- 2010 - 2014** System Engineer, Ericsson, Hungary. Specification and prototyping of IP Multimedia Subsystem (IMS) features. Concept development and prototyping for web- and smartphone-based telecommunication IMS clients using HTML5 (WebRTC), object-oriented JavaScript (SIP stack implementation in JavaScript), Android (Java and native), J2EE (including SIP servlets) technologies.

- 2008 - 2010** Senior Software Architect then Director of R&D (from 2009 Sept), OnRelay Ltd, London. I designed and led the implementation of fixed-mobile convergence systems. In particular, I have designed the architecture of the integration between OnRelay's mobile PBX product and the SipXecs open-source SIP PBX then led the implementation projects and implemented the key SIP-based signaling module (server-side Java).
- 2007 - 2007** Nokia Siemens Networks, Principal Scientist. I worked on service-oriented architectures in telecommunication domain with particular attention to dynamic service/content adaptation.
- 2003 - 2007** Nokia Research Center, Senior Research Engineer then Principal Scientist (between 2005 and 2007). I worked on the definition and standardization of SuperJava platform and mobile middleware areas, including peer-to-peer middleware.
- 1998 - 2003** Nokia, R&D Manager. My tasks included project management of software projects, software architect work and people management including recruiting. I was in charge of all the R&D activities of the Nokia Terminal Management Server network element. I was also involved in standardization (WAP protocol stack and SyncML Device Management).
- 1997 - 1998:** Dataware, cryptography expert. I developed the technology of Java-based secure business client-server systems for open networks and implemented the server part and several client-part libraries. In this activity I was responsible for the communication aspects, design of protocols.
- 1992 - 1996:** AVIATRONIC Ltd. flight system developing company, having worked beside the PhD. studies.
- 1994-1995:** 9 month research stay at IRISA (Institut Recherche d'Informatique et Systemes Aleatoires), Rennes, France and 1 month at INRIA (Institut National de Recherche d'Informatique et Automatique), Rocquencourt in France as part of my PhD studies. I have developed there a new method for algorithm distribution and scheduling for multiprocessor DSP implementations.
- 1993:** Practice work at Texas Instruments, Germany, 3 months. Taking part in two projects. (Card design with the TMS320C40 DSP and algorithm development for the TIRIS RF identification system).
- 1992:** Diploma work in INSA, Rennes, France, 6 months. Developing an universal microcontroller card and the control software for robot applications.
- 1990-1992:** REALSOFT Ltd. software developing company, half time job beside the university as programmer. Taking part in the development of the dispatcher software for the Electric Supply Company of Northern Hungary and the Water Supply Company of Budapest.

**Family:** Married since 1999. We have two children.

