Peter Schmidt, Ph.D.
Podcaster and Software Architect/Engineer
London, U.K.

Since Dec 2019	**University College London, UK** *Senior Research Software Engineer and Podcaster* I manage and deliver software solutions for research (Python, JavaScript/React, Swift) Lead and mentor small team of engineers I am also the producer and host of the *Code for Thought* podcast aimed at engineers and scientists
June 2013 – Nov 2019	**Elsevier Ltd, London, UK** *Solutions Architect and Mobile Team Manager* Optimised search solutions for digital products (ElasticSearch) and cloud solutions (AWS). Led a mobile team to deliver the Mendeley mobile app (iOS/Android).
May 2012 – May 2013	**Alfresco Software Ltd, Maidenhead, UK** *Senior iOS Engineer* Develop and deliver the Alfresco iOS app, contribute to the Apache open source OpenCMIS project
Jul 2007 – Apr 2012	**Symbian/Nokia, London, UK** *Engineering and Operations Manager* Led large inhouse engineering and offshore contracting teams. Managed operations of part of the Symbian OS (audio/graphics)
Jan 2005 – Jun 2007	**Sibelius/Avid, London, UK** *Scrum Master, Senior Software Engineer* Responsible for the development (C++) delivery of foreign language versions and the Sibelius web app "Scorch"
Dec 2000 - Dec 2004	**Sony, Basingstoke, UK** *Agile Team Lead, Senior Software Engineer* Responsible for delivering innovative R&D digital media solutions based on C++/Jave, XML/XSLT. Contributor to the IEEE on the MXF media format standard
May 1997 - Nov 2000	**Royal Brompton Hospital, London, UK** *Research Fellow Medical Imaging/Physics* Developing and delivering medical image solutions in Java/C++ for a clinical research project.
Jan 1991 – Apr 1997	**Universität Hamburg, Germany** *Research Fellow, Ph.D. student, tutor* Research on experimental particle physics (CERN), tutoring undergraduate students, maintenance of large complex software packages (FORTRAN/C++)

General Info

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Podcast: Code for Thought
https://tinyurl.com/42ew3ckt

Twitter
@Code_4_Thought

Nationalities
German, British

Languages
- *English (fluent)*
- *German (native)*
- *French (B2)*

Skills

Management
- *Project Management*
- *Agile (Scrum/XP)*
- *Team leading/building*
- *Mentoring*

Recent Technologies
- *Python, JavaScript, Java, React, Swift*
- *AWS, Terraform*
- *Docker, Jupyter, XCode, git…*

Education

Ph.D. *Physics, Uni. Hamburg (1996)*
B.Sc. *Molecular Biology, Birkbeck College, London (2005)*

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PUBLICATIONS

- An Energy Efficient Implementation of Differential Synchronisation on Mobile Devices – *(V. Pammer, J. Simon, P. Schmidt), Mobiquitous London* **2014**
- File Formats for Storage, chapter 2.9 *Chapter in 'Broadcast Engineer's Reference Book,' Focal Press/Elsevier* **2004** *(Editor Joe Tozer) p. 265-277*
- XML Based Dictionaries for MXF/AAF applications *IBC* **2002** *– P Schmidt, G Sylvester-Bradley, D Beenham (paper and presentation)*
- Conversion factors for the estimation of effective dose in paediatric cardiac angiography *Phys. Med. Biol. 45 (***2000***), 3095 – 3107, P Schmidt, D Dance, E Castellano, C Skinner, J McNeill*
- Estimation of radiation induced risk in paediatric cardiac angiography *European Congress of Radiology, Vienna* **2000** *(p.151), P Schmidt, D Dance, E Castellano, C Skinner, J McNeill, E Shinebourne.*
- Ph.D. Thesis: Study of proton-antiproton annihilation to $\pi^0 K^+ K^-$ (Crystal Barrel experiment/CERN – Universität Hamburg, 1996)

Membership
Since 2020

Society for Research Software Engineering, UK

Fellowship
Since 2021

Software Sustainability Institute, UK